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APR. 8 1970  
CURRENT SERIAL RECORDS

# ***WATER SUPPLY OUTLOOK FOR UTAH***

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,

and

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation,  
Utah Fish and Game Dept., Utah State University, U.S. National  
Park Service, U.S. Geological Survey; and other Federal, State,  
and private organizations.

AS OF  
**MAR. 1, 1970**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE              | ADDRESS   |
|--------------------|---|
| Alaska             | P. O. Box "F", Palmer, Alaska 99645               |
| Arizona            | 6029 Federal Building, Phoenix, Arizona 85025     |
| Colorado (N. Mex.) | 12417 Federal Building, Denver, Colorado 80202    |
| Idaho              | Room 345, 304 N. 8th. St., Boise, Idaho 83702     |
| Montana            | P. O. Box 98, Bozeman, Montana 59715              |
| Nevada             | P. O. Box 4850, Reno Nevada 89505                 |
| Oregon             | 1218 S. W. Washington St., Portland, Oregon 97205 |
| Utah               | 4012 Federal Building, Salt Lake City, Utah 84111 |
| Washington         | 360 U.S. Court House, Spokane, Washington 99201   |
| Wyoming            | P. O. Box 340, Casper, Wyoming 82601              |

### PUBLISHED BY OTHER AGENCIES.

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia





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and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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## Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

Approximate Date



FLAMING GORGE INFLOW = 97%  
NAVAJO RESERVOIR INFLOW = 68%  
LAKE POWELL INFLOW = 92%





# WATER SUPPLY OUTLOOK

as of  
MARCH 1, 1970

\*\*\*\*\*  
\* A warm, dry February reduced Utah's Water Supply Outlook but it is \*  
\* still "near average" for the Northern two-thirds of the State and \*  
\* "below average" for the Southern third. Precipitation was general- \*  
\* ly well below average resulting in little increase to the snow pack.\*  
\* Streamflow forecasts have dropped as a result and now range from 53 \*  
\* to 136% of average. Reservoir storage is above average. \*  
\*\*\*\*\*

## NORTHERN UTAH

The Water Supply Outlook for Northern Utah remains "good" inspite of a very dry and spring like February. Reservoir storage remains well above average.

### Precipitation and Snow Cover

Precipitation was exceptionally low for the month of February, ranging from 23% of average at the Ben Lomond Lower snow course to 72% of normal at Monte Cristo northeast of Huntsville.

Snow cover ranges from 76% on the American Fork River to 118% of normal for Farmington Canyon. Along Cache Valley, the cover is slightly above normal with the Logan River and Little Bear at 102% and 101% of average. The Ogden River is average and the Upper Weber River slightly below average. Drainages into Utah Lake vary from 81% on the Upper Provo to 109% on Hobbie Creek. Middle Canyon, east of Tooele, remains good at 115% of the 1953-67 average.

### Streamflow

Streamflow forecasts now vary from 81% on the Blacksmith Fork to 140% of the April-July forecast period at Parley's Canyon east of Salt Lake City. East Canyon, Hardscrabble and Farmington all remain above average with 132%, 119% and 128% respectively. Big and Little Cottonwood dropped from 115% to 103% (35,000 acre feet). Utah Lake Inflow remains at 111% (217,000 acre feet) for the forecast period. Hobbie Creek still remains well above average with 120% (15,600 acre feet).

Due to the below normal snow pack on the American Fork Creek, the projected streamflow dropped from 127% to 100% of average. Pineview Reservoir Inflow dropped to 92,000 acre feet along with the South Fork of the Ogden both are 98% of average. The Weber River also dropped, ranging from 92% (100,000 acre feet) at Oakley to 104% at Chalk Creek.

In spite of the reduction in the streamflow forecasts, the entire northern area remains favorable, with more than an adequate water supply forecast for the coming season.

# WATER SUPPLY OUTLOOK (continued)

## EASTERN UTAH

A warm, dry February reduced the Water Supply Outlook for Eastern Utah but it still remains "near average" to a little "above average" for most of the area.

### Precipitation and Snow Cover

February precipitation measured in the higher water producing areas of eastern Utah varied from 21% to 54% of average in the Uintahs and was only 22% to 37% of average on the Price and San Rafael. Snow cover on watersheds of this half of the State reflects the spring like month and very little median and low elevation snow remained as of the end of February.

Snow cover on the south side of the Uintahs varied from 61% of average on the Lakefork watershed to 87% on the upper Duchesne. The Uintah River and Ashley Creek were 79% and 77% respectively. Streams on the north side of the Uintahs have better snow cover this year. Sheep Creek has 111% of average and the Black's Fork-Smith Fork drainages have 107% of the March 1 average.

The Price River watershed has 96% of average snow cover and the San Rafael tributaries 99%. The upper Fremont River had the best snow cover of the area at 125% of the March 1 average. Snow cover on the LaSal Mountains is 104% but the Blue Mountains were only 54%. The storm that passed over southern Utah on March 1 should have improved the poor snow pack in this area but this will not be verified until April 1 snow surveys are taken.

### Reservoir Storage

Reservoir storage in the area is generally above the March 1 average except for Moon Lake which is 86% (13,500 acre feet). Steinaker has 23,700 acre feet and last year held 24,800 acre feet. Scofield now holds 51,390 acre feet (239%). Joe's Valley now holds 43,500 acre feet. Last year it held 28,100 acre feet. Starvation Reservoir had 25,510 acre feet of water stored on March 1.

### Streamflow

Streamflow forecasts have been lowered as a result of the dry weather and now range from 74% on Lakefork (49,000 acre feet) to 130% on Muddy Creek (21,000 acre feet). Other streams on the south side of the Uintahs are expected to have flows ranging from 80% on Yellowstone to 99% on Rock Creek for the April-July period. The Duchesne at Tabiona is expected to flow 91,000 acre feet (97%) and the Strawberry at Duchesne 38,000 acre feet (78%). The Uintah River is forecast to flow 72,000 acre feet (91%) and the Whiterocks 41,000 acre feet (80%). Ashley Creek is forecast to flow 42,000 acre feet (95%) during the April-July period. Henry's Fork 39,000 acre feet (102%).

Flaming Gorge inflow is expected to be 97% of the April-July average. Scofield Inflow is forecast to be 32,000 acre feet (100%) and Gooseberry Creek 10,500 acre feet (105%). The Price River is expected to flow 52,000 acre feet (96%) during the April-July period. Huntington Creek is forecast to flow 47,000 acre feet (112%), Cottonwood Creek 49,000 acre feet (111%) and Ferron Creek 37,000 acre feet (112%).

# WATER SUPPLY OUTLOOK (continued)

## CENTRAL AND SOUTHERN UTAH

The Central and Southern Utah Water Supply Outlook was dimmed slightly by a warm, dry, February. The outlook for spring and summer water supplies now varies from "well below average" on the Virgin and Upper Sevier Rivers to "above average" on Salina Creek, the San Pitch and Lower Sevier Rivers where reservoir storage is excellent this year.

### Precipitation and Snow Cover

Mountain precipitation during February was generally well below average ranging from 16% at Gooseberry Ranger Station to 87% at Kimberly Mine. Duck Creek on the Upper Sevier was 41% and Widdtsoe Ranger Station 71% of the February average.

Snow courses measured near the end of February reflect the lack of storms - by well below average increases to the snow pack. Water contents in the snow varies from 41% of the 1953-67 March 1 average on the Sevier above Panguitch to 128% of average on Salina Creek. The average of the snow courses measured on the Virgin River show only 45% of the usual March 1 water content. Coal and Parawan Creeks were 62% and 75% of average. The East Fork of the Sevier was 80%, the Paria 75%, and the Escalante 66%.

Beaver River snow courses averaged 107%, Chalk Creek near Filmore 102% and Clear Creek 117% of the March 1 average. Salina Creek and the upper Fremont River snow cover dropped but still remain the highest in the State at 128% and 125% respectively. Drainages along the San Pitch River are 102 to 104% of average.

Bryce Canyon snow course was measured February 27, and showed less than 1 inch snow depth and 0.2 inch water content. This course was measured again March 2, after the good storm which passed through the area and it showed 12 inches depth and 1.8 inches of water content. This increase is a good start toward improving the snow cover in Southern Utah.

### Reservoir Storage

Storage in Otter Creek (52,660), Piute (68,780) and Sevier Bridge (224,400) Reservoirs now totals 345,840 acre feet - 249% of the March 1 average for the 1953-67 period. Gunnison Reservoir now holds 17,560 acre feet and is storing the flow of the San Pitch. Winter flow, October 1 - March 31 into Sevier Bridge Reservoir is expected to total 125,000 to 135,000 acre feet. About 108,000 acre feet of this amount has already reached the reservoir. Minersville Reservoir has 21060 acre feet in storage. This is about double the March 1 average for Minersville.

### Streamflow

Streamflow forecasts dropped as much as 27% for the April-July period reflecting the below average increases to the snow pack.



## WATER SUPPLY OUTLOOK (continued)

Forecasts for Central and Southern Utah now range from 53% of average (20,000) acre feet) on the Virgin River (for the April-June period) to 136% (8,000 acre feet) on Salina Creek for the same period. The Sevier at Hatch is expected to flow 22,000 acre feet (67%) and the East Fork Sevier 7,000 acre feet (60%) for the April-July period. The Sevier near Kingston is forecast to flow 10,800 acre feet (70%) and below Piute Dam 18,000 acre feet (62%). The lower Sevier River at Gunnison is expected to flow 42,000 acre feet (135%) as a result of good return flow, base flow and good contribution of Salina Creek.

Coal Creek near Cedar City is expected to flow 12,200 acre feet (88%) and the Beaver River 22,000 acre feet (116%) during the April-July period. Rockyford Reservoir Inflow is expected to be 5,000 acre feet (106%) during the April-June period. San Pitch streams - Ephraim Creek and Pleasant Creek are expected to flow 18,000 acre feet (129%) and 8,900 acre feet (114%) respectively for the April-July period.

Colorado River forecasts dropped 14 to 20% on the main stem and on Green River. Forecasts on the San Juan raised 3% for Navajo Reservoir Inflow and 1% at Bluff. These forecasts now range from 67% of average for the April-July period for San Juan at Bluff to 104% for the Green River at Green River, Utah. The inflow to Flaming Gorge is expected to be 97% of average and Lake Powell Inflow 6,005,000 acre feet or 92% of the April-July average for the 1953-67 period.

Storage in Flaming Gorge is now 1,487,000 acre feet. Less than last March 1 but above the average of 1,248,000 acre feet. Lake Powell has 9,439,000 acre feet of stored water. Last year it held 7,337,000 and the average is only 5,138,000 acre feet on March 1.

**RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH**

| Basin or Stream     | RESERVOIR                      | Usable Capacity | Usable Storage |           |          |
|---------------------|--------------------------------|-----------------|----------------|-----------|----------|
|                     |                                |                 | This Year      | Last Year | Average† |
|                     | <u>GREAT BASIN</u>             |                 |                |           |          |
| <u>Bear River</u>   | Bear Lake                      | 1421.0          | 1134.9         | 1066.0    | 871.4    |
|                     | Woodruff Narrows               | 26.5            | 21.9           | 28.0      | 17.8b    |
| <u>Beaver River</u> | Minersville (Rky Fd.)          | 23.3            | 21.1           | 21.6      | 10.6     |
| <u>Little Bear</u>  | Hyrum                          | 15.3            | 10.5           | 10.7      | 11.0     |
|                     | Porcupine                      | 11.3            | 3.4            | 4.5       | - -      |
| <u>Ogden</u>        | Causey                         | 7.1             | 1.1            | 4.1       | - -      |
|                     | Pineview                       | 110.1           | 59.9           | 47.6      | 26.9     |
| <u>Provo</u>        | Deer Creek                     | 149.7           | 86.1           | 99.0      | 89.3     |
| <u>Sevier River</u> | Gunnison                       | 18.2            | 17.6           | 17.7      | - -      |
|                     | Otter Creek                    | 52.5            | 52.7           | 46.8      | 23.0     |
|                     | Piute                          | 71.8            | 68.8           | 59.1      | 35.4     |
|                     | Sevier Bridge                  | 236.0           | 224.4          | 128.8     | 80.7     |
| <u>Spanish Fork</u> | Strawberry                     | 270.0           | 193.0          | 154.0     | 120.0    |
| <u>Utah Lake</u>    | Utah Lake                      | 883.9           | 869.7          | 847.0     | 558.4    |
| <u>Weber</u>        | East Canyon                    | 48.1            | 38.5           | 32.5      | 11.2     |
|                     | Echo                           | 73.9            | 59.5           | 50.5      | 35.7     |
|                     | Lost Creek                     | 20.0            | 13.5           | 11.2      | - -      |
|                     | Rockport                       | 60.9            | 19.0           | 48.4      | 23.8     |
|                     | Willard Bay                    | 193.3           | 118.8          | 124.2     | - -      |
|                     | <u>COLORADO RIVER DRAINAGE</u> |                 |                |           |          |
| <u>Ashley Creek</u> | Steinaker                      | 33.3            | 23.7           | 24.8      | - -      |
| <u>Colorado</u>     | Blue Mesa                      | 829.5           | 993.6          | 422.3     | - -      |
|                     | Lake Powell                    | 25002.0         | 9439.0         | 7337.0    | 5138.0   |
| <u>Green</u>        | Flaming Gorge                  | 3749.0          | 1487.0         | 1669.1    | 1248.0   |
| <u>Lake Fork</u>    | Moon Lake                      | 35.8            | 13.5           | 25.2      | 15.7     |
| <u>Price River</u>  | Scofield                       | 65.8            | 51.4           | 46.7      | 21.5     |
| <u>San Rafael</u>   | Joe's Valley                   | 54.6            | 43.5           | 28.1      | - -      |
| <u>San Juan</u>     | Navajo                         | 1696.4          | 924.9          | 707.3     | - -      |
| <u>Strawberry</u>   | Starvation                     | 165.3           | 25.5           | - -       | - -      |



## STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS                | THIS YEAR          |                    |                 | PAST RECORD        |           |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
| BASIN STREAM and/or FORECAST POINT  | FORECAST           |                    | FORECAST PERIOD | THOUSAND ACRE FEET |           |
|                                     | Thousand Acre Feet | Percent of Average |                 | Last Year          | Average † |
| <u>BEAR RIVER SYSTEM</u>            |                    |                    |                 |                    |           |
| Bear at Harer, Idaho                | 200                | 88                 | Apr-Sept        | 319                | 226       |
| Bear nr Randolph                    | 63                 | 86                 | Apr-July        | 125                | 73        |
| Bear nr Ut-Wyo State Line           | 91                 | 86                 | Apr-July        | 111                | 106       |
| Bear nr Woodruff                    | 84                 | 81                 | Apr-July        | 125                | 104       |
| Big Crk nr Randolph, Utah           | 4.5                | 94                 | Apr-July        | 5.3                | 4.8       |
| Blacksmith Fork nr Hyrum            | 34                 | 81                 | Apr-July        | 51                 | 42        |
| Little Bear nr Paradise             | 32                 | 76                 | Apr-June        | 43                 | 42        |
| Logan nr Logan (1)                  | 99                 | 100                | Apr-July        | 111                | 99        |
| Smith's Fork nr Border, Wyoming     | 125                | 116                | Apr-Sept        | 115                | 108       |
| Woodruff Crk nr Woodruff, Utah      | 12.8               | 95                 | Apr-July        | 21                 | 13.5      |
| <u>WEBER-OGDEN RIVERS</u>           |                    |                    |                 |                    |           |
| Chalk Crk at Coalville              | 29                 | 104                | Apr-July        | 46                 | 28        |
| East Canyon Crk nr Morgan (2)       | 24                 | 132                | Apr-July        | 38                 | 18.2      |
| Hardscrabble Crk nr Porterville     | 17.2               | 119                | Apr-July        | 22                 | 14.4      |
| Lost Crk nr Croydon, Utah           | 11.4               | 93                 | Apr-July        | 25                 | 12.3      |
| Pineview Reservoir Inflow (3)       | 92                 | 98                 | Apr-July        | 155                | 94        |
| South Fork Ogden nr Huntsville      | 48                 | 98                 | Apr-July        | 76                 | 49        |
| Rockport Reservoir Inflow (4)       | 103                | 91                 | Apr-July        | 153                | 113       |
| Weber nr Coalville (5)              | 101                | 92                 | Apr-July        | 173                | 110       |
| Weber nr Oakley                     | 100                | 92                 | Apr-July        | 146                | 109       |
| <u>PROVO RIVER &amp; UTAH LAKE</u>  |                    |                    |                 |                    |           |
| American Fork nr American Fork      | 28                 | 108                | Apr-July        | 60                 | 26        |
| Hobble Crk nr Springville           | 15.6               | 120                | Apr-July        | 37                 | 13.0      |
| Provo nr Hailstone (6)              | 93                 | 107                | Apr-July        | 129                | 87        |
| Provo below Deer Crk Dam (7)        | 101                | 105                | Apr-July        | 165                | 96        |
| Spanish Fork at Thistle             | 29                 | 94                 | Apr-July        | 67                 | 31        |
| Strawberry Reservoir Inflow (8)     | 41                 | 100                | Apr-July        | 80                 | 41        |
| Utah Lake Inflow                    | 217                | 111                | Apr-July        | 263                | 195       |
| <u>JORDAN RIVER &amp; SALT LAKE</u> |                    |                    |                 |                    |           |
| Big Cottonwood nr SLC               | 35                 | 103                | Apr-July        | 44                 | 34        |
| Farmington Crk nr Farmington        | 8.7                | 128                | Apr-July        | 10.8               | 6.8       |
| Little Cottonwood Crk nr SLC        | 34                 | 103                | Apr-July        | 51                 | 33        |
| Parley's Crk nr SLC                 | 13.2               | 140                | Apr-July        | 17.7               | 9.4       |
| FOOTNOTES - See last page           |                    |                    |                 |                    |           |

# STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS                   | THIS YEAR          |                    |                 | PAST RECORD        |           |
|--|--------------------|--------------------|-----------------|--------------------|-----------|
| BASIN STREAM and/or FORECAST POINT     | FORECAST           |                    | FORECAST PERIOD | THOUSAND ACRE FEET |           |
|  | Thousand Acre Feet | Percent of Average |                 | Last Year          | Average † |
| <u>SEVIER RIVER</u>                    |                    |                    |                 |                    |           |
| Chalk Creek nr Fillmore                | 13.8               | 104                | Apr-July        | 17.7               | 13.2      |
| Clear Crk nr Sevier (Above Div.)       | 14.7               | 118                | Apr-July        | --                 | 12.5b     |
| East Fork Sevier nr Kingston (9)       | 7.0                | 60                 | Apr-July        | 33                 | 11.7      |
| Antimony Crk nr Antimony               | 5.0                | 64                 | Apr-July        | 5.1                | 7.8b      |
| Inflow                                 |                    |                    |                 |                    |           |
| Kingston to Vermillion Dam             | 29                 | 97                 | Apr-June        | 50                 | 30 b      |
| Vermillion Dam to Gunnison             | 41                 | 91                 | Mar-June        | 57                 | 45 b      |
| Salina Crk at Salina (10)              | 8.0                | 136                | Apr-June        | --                 | 5.9*      |
| Sevier nr Circleville                  | 19                 | 70                 | Apr-July        | 93                 | 27        |
| Sevier nr Gunnison                     | 42                 | 135                | Apr-July        | 109                | 31 b      |
| Sevier at Hatch                        | 22                 | 67                 | Apr-July        | 107                | 33        |
| Sevier nr Kingston                     | 10.8               | 70                 | Apr-July        | 80                 | 15.4      |
| Sevier below Piute Dam (11)            | 18.0               | 62                 | Apr-July        | 118                | 29        |
| <u>SAN PITCH RIVER</u>                 |                    |                    |                 |                    |           |
| Ephraim Creek nr Ephraim               | 18.0               | 129                | Apr-July        | --                 | 13.9b     |
| Pleasant Crk nr Mt. Pleasant           | 8.9                | 114                | Apr-July        | 10                 | 7.8b      |
| <u>BEAVER RIVER</u>                    |                    |                    |                 |                    |           |
| Beaver nr Beaver                       | 22                 | 116                | Apr-July        | 36                 | 18.9      |
| Rockyford Reservoir Inflow (12)        | 5.0                | 106                | Apr-June        | --                 | 4.7       |
| <u>COAL CREEK</u>                      |                    |                    |                 |                    |           |
| Coal Crk nr Cedar City                 | 12.2               | 88                 | Apr-July        | 37                 | 13.8      |
| <u>COLORADO RIVER BASIN</u>            |                    |                    |                 |                    |           |
| Green River Tributaries in Utah        |                    |                    |                 |                    |           |
| <u>FLAMING GORGE TO DUCHESNE RIVER</u> |                    |                    |                 |                    |           |
| Ashley Creek nr Vernal                 | 42                 | 95                 | Apr-July        | 58                 | 44        |
| Henry's Fork at Linwood                | 39                 | 102                | Apr-Sept        | --                 | 38        |
| FOOTNOTES - See last page              |                    |                    |                 |                    |           |

## STREAMFLOW FORECASTS

| BASIN STREAM and/or FORECAST POINT | THIS YEAR          |                    |                 | PAST RECORD        |           |
|------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
|                                    | FORECAST           |                    | FORECAST PERIOD | THOUSAND ACRE FEET |           |
|                                    | Thousand Acre Feet | Percent of Average |                 | Last Year          | Average † |
| <u>DUCHESNE RIVER</u>              |                    |                    |                 |                    |           |
| Duchesne nr Tabiona (13)           | 91                 | 97                 | Apr-July        | 138                | 94        |
| Duchesne at Duchesne (13)          | 156                | 93                 | Apr-July        | --                 | 167       |
| Duchesne at Myton (16)             | 211                | 87                 | Apr-July        | --                 | 243       |
| Duchesne at Randlett (16)          | 241                | 92                 | Apr-July        | --                 | 262       |
| Strawberry at Duchesne             | 38                 | 78                 | Apr-July        | 101                | 49        |
| Rock Crk nr Mtn. Home              | 87                 | 99                 | Apr-July        | 107                | 88        |
| Lakefork below Moon Lake (14)      | 49                 | 74                 | Apr-July        | --                 | 66        |
| Yellowstone nr Altonah             | 47                 | 80                 | Apr-July        | 83                 | 59        |
| Uinta nr Neola                     | 72                 | 91                 | Apr-July        | 114                | 79        |
| Whiterocks nr Whiterock            | 41                 | 80                 | Apr-July        | 73                 | 51        |
| <u>PRICE RIVER</u>                 |                    |                    |                 |                    |           |
| Gooseberry Crk nr Scofield         | 10.5               | 105                | Apr-July        | 16.9               | 10.0      |
| Price nr Heiner (15)               | 52                 | 96                 | Apr-July        | 123                | 54        |
| Scofield Reservoir INflow (15)     | 32                 | 100                | Apr-July        | 60                 | 32        |
| <u>SAN RAFAEL RIVER</u>            |                    |                    |                 |                    |           |
| Cottonwood Crk nr Orangeville      | 49                 | 111                | Apr-July        | 60                 | 44        |
| Ferron Crk nr Ferron               | 37                 | 112                | Apr-July        | 51                 | 33        |
| Huntington Crk nr Huntington       | 47                 | 112                | Apr-July        | --                 | 42        |
| <u>MUDDY RIVER</u>                 |                    |                    |                 |                    |           |
| Muddy Creek nr Emery               | 21                 | 130                | Apr-July        | 27                 | 16.2b     |
| <u>VIRGIN RIVER</u>                |                    |                    |                 |                    |           |
| Virgin nr Virgin                   | 20                 | 53                 | Apr-June        | 138                | 38        |
| <u>UPPER COLORADO BASIN</u>        |                    |                    |                 |                    |           |
| Colorado nr Cisco, Utah (15)       | 2495               | 89                 | Apr-July        | 3359               | 2802      |
| Flaming Gorge Inflow (3)           | 1025               | 97                 | Apr-July        | 1273               | 1054      |
| Lake Powell Inflow (3)             | 6005               | 92                 | Apr-July        | 8162               | 6527      |
| Green at Green River, Utah (15)    | 2690               | 104                | Apr-July        | 3404               | 2574      |
| San Juan nr Bluff, Utah (15)       | 595                | 67                 | Apr-July        | 1373               | 890       |
| Navajo Reservoir Inflow            | 420                | 68                 | Apr-July        | 897                | 619       |

# **PEAK FLOWS** (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

| FORECAST POINT  | PEAK FLOW (SECOND FEET) |           |
|---|-------------------------|-----------|
|   | Forecast Range          | Average + |
| <u>NORTHERN UTAH</u>  |                         |           |
| Big Creek near Randolph   | 20 - 60                 | 43        |
| Big Cottonwood Creek near SLC   | 350 - 440               | 310       |
| Hobble Creek near Springville   | 75 - 250                | 180       |
| Spanish Fork near Thistle   | 100 - 580               | 307       |
| So. Fork Ogden River nr Huntsville  | 500 - 725               | 643       |
| <u>EASTERN UTAH</u>   |                         |           |
| Ferron Creek near Ferron  | 300 - 585               | 414       |
| Muddy Creek near Emery  | 150 - 280               | 142       |
| Strawberry River at Duchesne  | 230 - 1060              | 558       |
| <u>SOUTHERN and CENTRAL UTAH</u>  |                         |           |
| Beaver River near Beaver  | 125 - 390               | 215       |
| Clear Creek near Sevier   | 165 - 195               | 156b      |
| Coal Creek near Cedar City  | 160 - 435               | 217       |
| Salina Creek near Salina  | 165 - 200               | 133*      |
| Sevier River at Hatch   | 100 - 275               | 370       |
| Sevier River at Circleville   | 115 - 325               | 292       |
| Sevier River at Kingston  | 120 - 215               | 223       |
| Virgin River at Virgin  | 220 - 700               | 557       |
| *Highly abnormal weather during the critical melting period may cause the peak to be outside the indicated range. |                         |           |



# FORECAST DATE of LOW FLOW VALUES

| FORECAST POINT                       | Low Flow Value<br>Second/ Ft. | Forecast Date<br>Stream Will Recede<br>to Low Flow Value | Average Date<br>of Low Flow<br>Value |
|--------------------------------------|-------------------------------|--|--------------------------------------|
| Clear Creek nr Sevier (abpve Div.)   | 5                             | July 8   | July 19                              |
| Salina Creek at Salina               | 25                            | June 10  | June 10                              |
| Sevier at Circleville(Circle Valley) | 90                            | June 1   | June 24                              |
| Sevier at Hatch (upper)              | 100                           | June 9   | July 10                              |

WSFB-X10-L

## PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

| RIVER SECTION        | Percent Forecast<br>For This Year | Average Percent Delivered<br>During 15 year Period† | Forecast Period |
|----------------------|-----------------------------------|---|-----------------|
| <u>Sevier River</u>  |                                   |   |                 |
| Below Vermillion Dam | 52                                | 58  | Apr-Sept        |
| Circle Valley        | 60                                | 66  | Apr-Sept        |
| Panguitch Valley     | 80                                | 84  | Apr-Sept        |
| Sevier Valley        | 41                                | 40  | Apr-Sept        |

## OTHER SPECIAL FORECASTS

Below Vermillion - Flow above 360 second feet - 2000 - 3000 acre feet.

Inflow to Sevier Bridge reservoir from October 1 to March 31, is expected to be about 125,000 - 135,000 acre feet. February inflow was about 31,000 acre feet bringing the October-February total inflow to 108,000 acre feet.



# SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED                   | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF: |         |
|--|----------------------------|---------------------------------------|---------|
|  |                            | Last Year                             | Average |
| <u>BEAR RIVER</u>                                  |                            |                                       |         |
| Bear River So. of Evanston, Wyo.                   | 2                          | 59                                    | 91      |
| Blacksmith Fork - Little Bear River                | 5                          | 64                                    | 101     |
| Cub River (Idaho)                                  | 2                          | 73                                    | 88      |
| Emigration Creek (Idaho)                           | 2                          | 82                                    | 114     |
| Logan River  | 5                          | 87                                    | 102     |
| Malad River  | 2                          | 51                                    | 83      |
| Smith's Fork of Bear River (Wyo.)                  | 4                          | 72                                    | 96      |
| Strawberry-Mink Creeks                             | 3                          | 72                                    | 96      |
| <u>WEBER-OGDEN RIVERS</u>                          |                            |                                       |         |
| Chalk Creek above Coalville                        | 3                          | 70                                    | 95      |
| East Canyon Creek                                  | 2                          | 67                                    | 106     |
| Farmington Creek                                   | 2                          | 76                                    | 118     |
| Ogden River  | 5                          | 60                                    | 100     |
| Weber River Above Coalville                        | 8                          | 59                                    | 98      |
| <u>UTAH LAKE, JORDAN RIVER &amp; TOOELE VALLEY</u> |                            |                                       |         |
| American Fork River                                | 3                          | 36                                    | 76      |
| Hobble Creek                                       | 2                          | 51                                    | 91      |
| Mt. Nebo Area                                      | 2                          | 70                                    | 108     |
| Provo River above Deer Creek Dam                   | 6                          | 46                                    | 81      |
| Salt Lake Area                                     | 3                          | 69                                    | 109     |
| Spanish Fork River                                 | 5                          | 70                                    | 109     |
| Strawberry Reservoir Valley                        | 3                          | 47                                    | 95      |
| Tooele Area  | 1                          | 62                                    | 115     |
| <u>SEVIER RIVER</u>                                |                            |                                       |         |
| Beaver River                                       | 3                          | 63                                    | 107     |
| Chalk Creek near Fillmore                          | 2                          | 75                                    | 102     |
| Chicken Creek near Levan                           | 1                          | 86                                    | 122     |
| Clear Creek above Sevier                           | 1                          | 74                                    | 117     |
| East Fork Sevier River                             | 6                          | 40                                    | 80      |
| Ephraim Creek                                      | 2                          | 68                                    | 102     |
| Manti Creek  | -                          | --                                    | - -     |
| Mt. Pleasant Area                                  | 2                          | 54                                    | 104     |
| Salina Creek                                       | 2                          | 100                                   | 128     |
| Sevier River above Panguitch                       | 5                          | 15                                    | 41      |
| Twelve Mile Creek near Mayfield                    | 2                          | 72                                    | 102     |

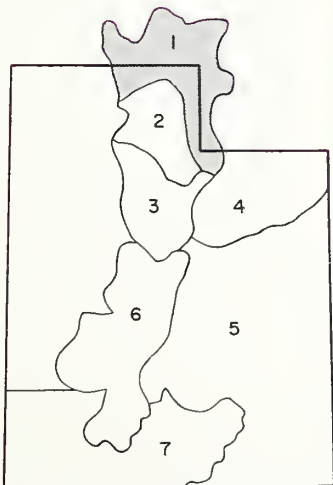
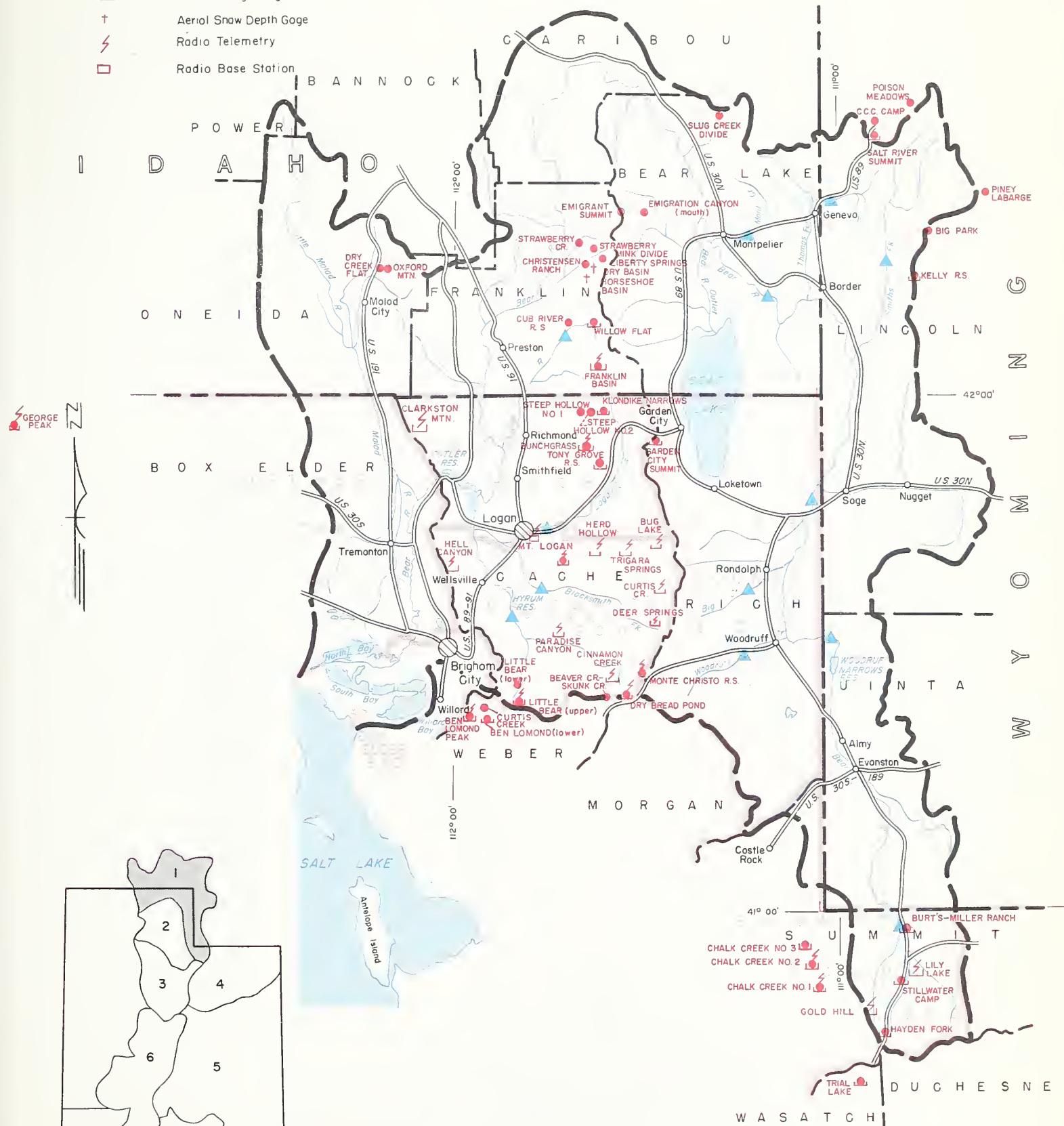
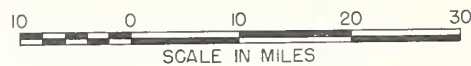
**SUMMARY of SNOW MEASUREMENTS** (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED                           | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF: |         |
|--|----------------------------|---------------------------------------|---------|
|  |                            | Last Year                             | Average |
| <u>UINTAH BASIN &amp; NORTH SLOPE UINTAH MOUNTAINS</u>     |                            |                                       |         |
| Ashley-Brush Creeks  | 4                          | 41                                    | 77      |
| Black's Fork & Smith's Fork Rivers                         | 4                          | 114                                   | 107     |
| Duchesne River above Tabiona                               | 3                          | 54                                    | 87      |
| Henry's Fork River & Sheep Creek                           | 2                          | 80                                    | 111     |
| Lakefork River   | 2                          | 31                                    | 61      |
| Strawberry River   | 4                          | 42                                    | 82      |
| Uintah-Whiterocks Rivers                                   | 3                          | 38                                    | 79      |
| <u>CARBON, EMERY, WAYNE, GRAND &amp; SAN JUAN COUNTIES</u> |                            |                                       |         |
| Blue Mountains near Monticello                             | 2                          | 33                                    | 54      |
| Fremont River  | 4                          | 79                                    | 125     |
| LaSal Mountains near Moab                                  | 2                          | 77                                    | 104     |
| Muddy River  | -                          | --                                    | - -     |
| Price River  | 6                          | 51                                    | 96      |
| San Rafael River   | 7                          | 57                                    | 99      |
| <u>EAST GARFIELD, KANE, WASHINGTON &amp; IRON COUNTIES</u> |                            |                                       |         |
| Coal Creek near Cedar City                                 | 3                          | 22                                    | 62      |
| Escalante River  | 3                          | 39                                    | 66      |
| New Harmony to Newcastle                                   | 2                          | 27                                    | 102*    |
| Paria River  | 1                          | 17                                    | 75      |
| Parowan Creek  | 3                          | 39                                    | 75      |
| Virgin River   | 4                          | 15                                    | 45      |
| * - Measurements after March 1 storm                       |                            |                                       |         |

# LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ┌ S.C.S. Storage Gage
- └ W.B. Storage Gage
- + Aerial Snow Depth Gage
- ⚡ Radio Telemetry
- Radio Base Station

# BEAR RIVER BASIN



WATERSHED LOCATION

# INDEX

| NO.                                   | STATE | NAME                       | SEC.  | TWP. | RGE. | ELEV.  |
|---------------------------------------|-------|----------------------------|-------|------|------|--------|
| UPPER BEAR RIVER (above Harer, Idaho) |       |                            |       |      |      |        |
| 10G11                                 | W     | Big Park                   | 7     | 27N  | 117W | 8,700  |
| 10J6                                  | U     | Burts-Miller Ranch         | 19    | 3N   | 10E  | 7,900  |
| 10G7                                  | W     | CCC Camp x                 | 9     | 29N  | 118W | 7,500  |
| 10J36p                                | U     | Gold Hill                  | 11    | 1N   | 9E   | 10,000 |
| 10J7                                  | U     | Hayden Fork                | 25    | 1N   | 9E   | 9,400  |
| 10G12                                 | W     | Kelly Ranger Station       | 13    | 26N  | 118W | 8,200  |
| 10J35p                                | U     | Lily Lake                  | 34    | 2N   | 10E  | 9,300  |
| 11H12P                                | U     | Monte Cristo R.S.          | 4     | 8N   | 4E   | 8,960  |
| 10G10                                 | W     | Piney LaBarge x            | 19    | 29N  | 114W | 8,820  |
| 10G6                                  | W     | Poison Meadows x           | 29    | 30N  | 116W | 8,500  |
| 10G8P                                 | W     | Salt River Summit x        | 32    | 29N  | 118W | 7,900  |
| 10J17P                                | U     | Stillwater Camp            | 32    | 2N   | 10E  | 8,550  |
| LOWER BEAR RIVER (below Harer, Idaho) |       |                            |       |      |      |        |
| 11H14M                                | U     | Beaver Creek-Skunk Creek x | 22    | 8N   | 3E   | 7,150  |
| 11H37p                                | U     | Bug Lake                   | 18    | 11N  | 5E   | 7,950  |
| 11H36p                                | U     | Bunchgrass                 | 5     | 13N  | 3E   | 8,400  |
| 11G11                                 | I     | Christensen Ranch          | 27    | 13S  | 41E  | 5,600  |
| 11H38p                                | U     | Cinnamon Creek             | 5     | 8N   | 3E   | 7,300  |
| 12H1p                                 | U     | Clarkston Mtn.             | 29    | 14N  | 2W   | 6,300  |
| 11G12                                 | I     | Cub River Ranger Station   | 5     | 15S  | 41E  | 5,400  |
| 11H33                                 | U     | Curtis Creek               | 12    | 10N  | 4E   | 8,450  |
| 11H39p                                | U     | Deer Springs               | 34    | 10N  | 4E   | 8,400  |
| 11G14a                                | I     | Dry Basin                  | 30    | 13S  | 42E  | 7,900  |
| 11H13MP                               | U     | Dry Bread Pond x           | 19    | 8N   | 4E   | 8,230  |
| 12G4                                  | I     | Dry Creek Flat             | 31    | 13S  | 37E  | 6,350  |
| 11G6                                  | I     | Emigrant Summit            | 21    | 12S  | 42E  | 7,350  |
| 11G7                                  | I     | Emigration Canyon (mouth)  | 24    | 12S  | 42E  | 6,500  |
| 11G8M                                 | I     | Franklin Basin             | 1     | 16S  | 41E  | 8,000  |
| 11H7MP                                | U     | Garden City Summit         | 34&35 | 14N  | 4E   | 7,600  |
| 12H2p                                 | U     | Hell Canyon                | 24    | 11N  | 2W   | 6,400  |
| 11H40p                                | U     | Herd Hollow                | 4     | 11N  | 3E   | 7,000  |
| 11G15a                                | I     | Horseshoe Basin            | 31    | 13S  | 42E  | 8,000  |
| 11H1MP                                | U     | Klondike Narrows           | 10    | 14N  | 3E   | 7,400  |
| 11G13                                 | I     | Liberty Springs            | 7     | 13S  | 42E  | 8,420  |
| 11H26                                 | U     | Little Bear (lower)        | 15    | 8N   | 1E   | 6,000  |
| 11H25P                                | U     | Little Bear (upper)        | 22    | 8N   | 1E   | 6,550  |
| 11H6                                  | U     | Mt. Logan                  | 3     | 11N  | 2E   | 9,000  |
| 12G3                                  | I     | Oxford Mountain            | 32    | 13S  | 37E  | 6,800  |
| 11H46p                                | U     | Paradise Canyon            | 36    | 10N  | 2E   | 7,650  |
| 11G5                                  | I     | Slug Creek Divide          | 15    | 10S  | 44E  | 7,225  |
| 11H27                                 | U     | Steep Hollow #1            | 7     | 14N  | 3E   | 8,500  |
| 11H28                                 | U     | Steep Hollow #2            | 9     | 14N  | 3E   | 7,700  |
| 11G9                                  | I     | Strawberry Creek           | 9     | 13S  | 41E  | 5,800  |
| 11G10                                 | I     | Strawberry Mink Divide     | 14    | 13S  | 41E  | 6,800  |
| 11H3M                                 | U     | Tony Grove Ranger Station  | 11    | 13N  | 3E   | 6,250  |
| 11H41p                                | U     | Trigara Springs            | 29    | 12N  | 4E   | 7,600  |
| 11G4P                                 | I     | Willow Flat                | 2     | 15S  | 41E  | 6,100  |

## LEGEND

### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |



FOOTNOTES - See last page



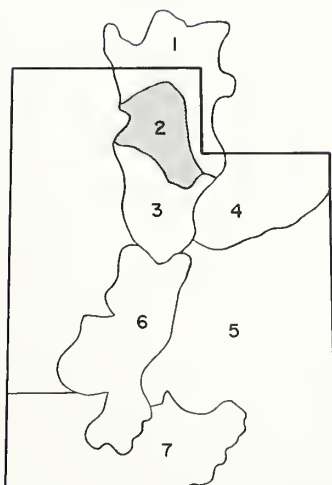
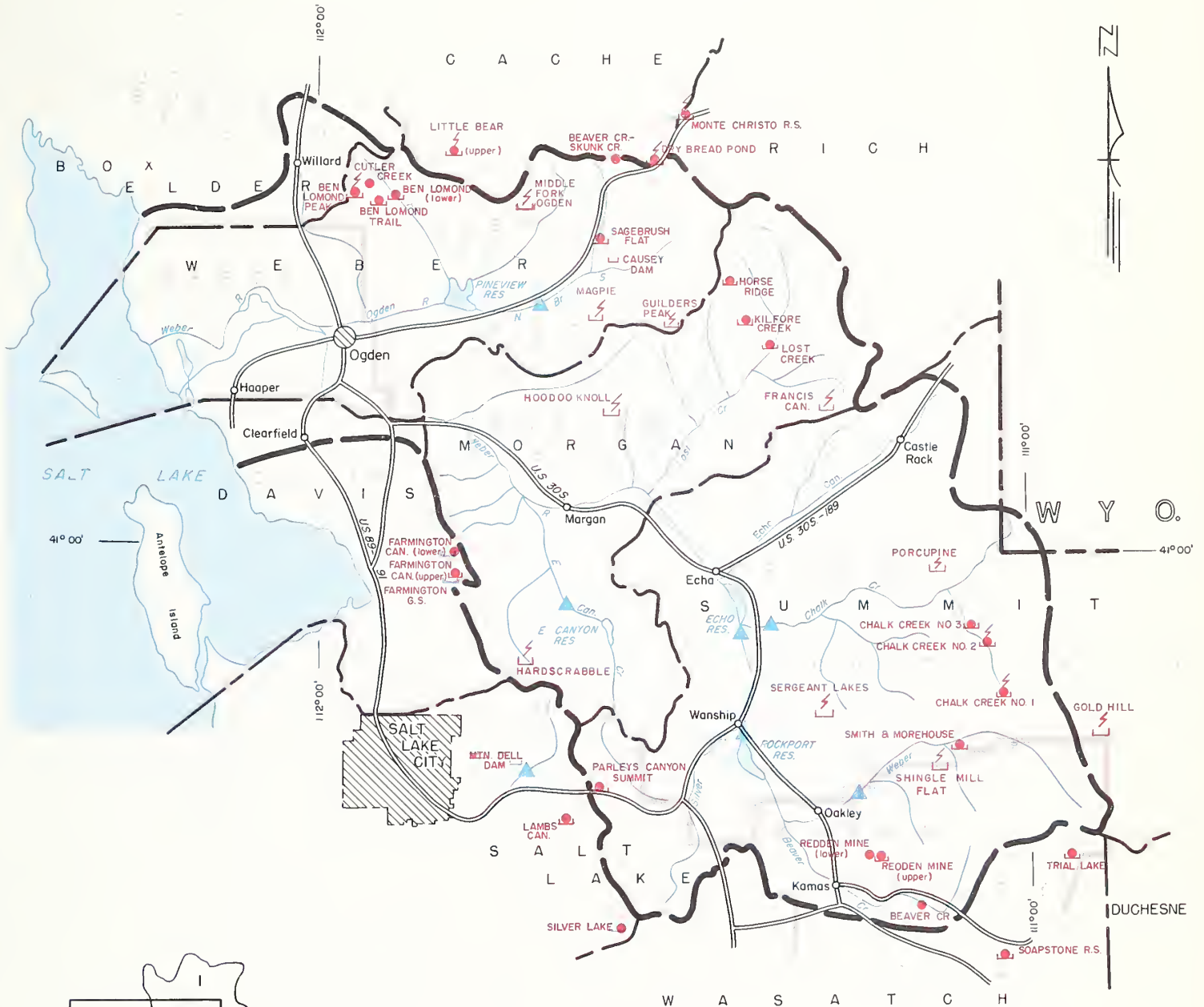
## PRECIPITATION (Inches)

| DRAINAGE BASIN and<br>PRECIPITATION GAGE LOCATION | ELEVATION | CURRENT INFORMATION |                          |           | FROM APPROX. OCT. 1 TO DATE |           |                       |
|---|-----------|---------------------|--------------------------|-----------|-----------------------------|-----------|-----------------------|
|   |           | Date of<br>Reading  | Month's<br>Precipitation | Average + | This Year                   | Average + | Percent of<br>Average |
| Chalk Creek #1 x                                  | 9100      | 2/27                | 1.26                     | - -       | --                          | - -       | --                    |
| Chalk Creek #2 x                                  | 8000      | 2/27                | 1.06                     | 3.02b     | --                          | 11.82*    | --                    |
| Chalk Creek #3 x                                  | 7500      | 2/20                | 1.20                     | 1.82b     | 11.01                       | 10.19b    | 108                   |
| Dry Bread Pond                                    | 8230      | 2/27                | 1.21                     | 4.47*     | --                          | 16.22*    | --                    |
| Garden City Summit                                | 7600      | 2/24                | 2.03                     | 3.22*     | 15.84                       | 14.74     | 107                   |
| Kelly R.S.  | 8200      | Not Scheduled       |                          | - -       | - -                         | - -       | - -                   |
| Klondike Narrows                                  | 7400      | 2/27                | 1.57                     | 5.24b     | 19.56                       | 19.39     | 101                   |
| Little Bear (upper)                               | 6850      | 2/27                | 1.51                     | - -       | 15.75                       | 15.36     | 102                   |
| Monte Cristo #2 (WB)                              | 8960      | 2/27                | 3.57                     | 4.94b     | 21.89                       | 19.68     | 111                   |
| Sagebrush Flat x                                  | 6300      | 2/27                | 1.39                     | 2.48b     | 11.30                       | 10.76     | 105                   |
| Salt River Summit                                 | 7900      | 2/26                | 0.90                     | 3.51b     | 12.05                       | 12.98     | 93                    |
| Tony Grove R.S. (SCS)                             | 6250      | No Report           |                          | - -       | --                          | - -       | --                    |
| Trial Lake x                                      | 9800      | 2/26                | 2.17                     | 4.47b     | 18.52                       | 17.36     | 107                   |
| Willow Flat                                       | 6100      | 2/25                | 1.54                     | 4.72*     | 19.39                       | 17.52     | 111                   |

FOOTNOTES - See last page

# WEBER - OGDEN WATERSHEDS

10 0 10 20 30  
SCALE IN MILES



WATERSHED LOCATION

## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ┌ S.C.S. Storage Gage
- ┌ W.B. Storage Gage
- ⚡ Radio Telemetry

# INDEX

| NO.         | STATE | NAME                     | SEC. | TWP. | RGE. | ELEV. |
|-------------|-------|--------------------------|------|------|------|-------|
| OGDEN RIVER |       |                          |      |      |      |       |
| 11H14M      | U     | Beaver Creek-Skunk Creek | 22   | 8N   | 3E   | 7,150 |
| 11H8        | U     | Ben Lomond Peak          | 3    | 7N   | 1W   | 8,000 |
| 11H9P       | U     | Ben Lomond (lower)       | 1    | 7N   | 1W   | 6,000 |
| 11H30P      | U     | Ben Lomond Trail         | 2    | 7N   | 1W   | 6,000 |
| 11H35p      | U     | Causey Dam               | 34   | 7N   | 3E   | 5,500 |
| 11H29       | U     | Cutler Creek             | 3    | 7N   | 1W   | 6,780 |
| 11H13MP     | U     | Dry Bread Pond           | 19   | 8N   | 4E   | 8,230 |
| 11H34p      | U     | Guilder's Peak           | 21   | 6N   | 4E   | 8,050 |
| 11H42p      | U     | Magpie                   | 29   | 6N   | 3E   | 7,700 |
| 11H45p      | U     | Middle Fork Ogden        | 16   | 7N   | 2E   | 8,420 |
| 11H12P      | U     | Monte Cristo R.S. x      | 4    | 8N   | 4E   | 8,960 |
| 11H15P      | U     | Sagebrush Flat           | 21   | 7N   | 3E   | 6,300 |

## WEBER RIVER

|        |   |                             |         |    |    |       |
|--------|---|-----------------------------|---------|----|----|-------|
| 11J24  | U | Beaver Creek R.S.           | 28      | 2S | 7E | 7,500 |
| 11J1   | U | Chalk Creek #1              | 4       | 1N | 8E | 9,100 |
| 11J2MP | U | Chalk Creek #2              | 17 & 20 | 2N | 8E | 7,900 |
| 11J3M  | U | Chalk Creek #3              | 7       | 2N | 8E | 7,500 |
| 11J12P | U | Farmington Canyon (lower) x | 14      | 3N | 1E | 6,950 |
| 11J11  | U | Farmington Canyon (upper) x | 26      | 3N | 1E | 8,000 |
| 11H44p | U | Francis Canyon              | 29      | 5N | 6E | 7,400 |
| 11J37p | U | Hardscrabble                | 16      | 2N | 2E | 6,500 |
| 11H43p | U | Hoodoo Knoll                | 22      | 5N | 3E | 8,350 |
| 11H21P | U | Horse Ridge                 | 1       | 6N | 4E | 8,260 |
| 11H31P | U | Kilfore Creek               | 20      | 6N | 5E | 7,300 |
| 11J14  | U | Lamb's Canyon x             | 19      | 1S | 3E | 6,600 |
| 11H32P | U | Lost Creek                  | 27      | 6N | 5E | 6,125 |
| 11J15P | U | Parley's Canyon Summit      | 5       | 1S | 3E | 7,500 |
| 11J38p | U | Porcupine                   | 22      | 3N | 7E | 8,100 |
| 11J6   | U | Reddon Mine (lower)         | 1       | 2S | 6E | 8,500 |
| 11J5   | U | Reddon Mine (upper)         | 1       | 2S | 6E | 9,000 |
| 11J39p | U | Sergeant Lakes              | 17      | 1N | 5E | 8,400 |
| 11J40p | U | Shingle Mill Flat           | 15      | 1S | 7E | 9,900 |
| 11J16P | U | Silver Lake (Brighton) x    | 35      | 2S | 3E | 8,725 |
| 11J4P  | U | Smith & Morehouse           | 25      | 1N | 7E | 7,600 |
| 10J8P  | U | Trial Lake x                | 5       | 2S | 9E | 9,800 |

## LEGEND

### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

| DRAINAGE BASIN and/or SNOW COURSE |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|-----------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| NAME                              | Elevation | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
|                                   |           |                |                     |                        | Last Year              | Average † |
| <u>OGDEN RIVER</u>                |           |                |                     |                        |                        |           |
| Beaver Crk-Skunk Creek            | 7150      | 2/27           | 27                  | 10.2                   | 18.7                   | 9.6       |
| Ben Lomond (lower)                | 6000      | 2/26           | 33                  | 11.0                   | 20.1                   | 11.4b     |
| Ben Lomond Peak                   | 8000      | 2/26           | 74                  | 26.2                   | 43.7                   | 26.2b     |
| Ben Lomond Trail                  | 6000      | 2/26           | 36                  | 13.0                   | 24.2                   | 11.3b     |
| Cutler Creek                      | 6780      | 2/26           | 53                  | 19.1                   | 38.2                   | 20.0b     |
| Dry Bread Pond                    | 8230      | 2/27           | 42                  | 14.4                   | 24.4                   | 14.3      |
| Monte Cristo R.S.                 | 8960      | 2/27           | 58                  | 19.6                   | 30.0                   | 20.2*     |
| Sagebrush Flat                    | 6300      | 2/27           | 10                  | 3.7                    | 7.5                    | 4.0       |
| <u>WEBER RIVER</u>                |           |                |                     |                        |                        |           |
| Beaver Creek R.S.                 | 7500      | 2/26           | 22                  | 6.2                    | 11.8                   | 7.3       |
| Chalk Creek #1                    | 9100      | 2/20           | 56                  | 15.7                   | 23.6                   | 17.7*     |
| Chalk Creek #2                    | 7900      | 2/20           | 40                  | 10.8                   | 15.3                   | 11.1      |
| Chalk Creek #3                    | 7500      | 2/20           | 23                  | 6.5                    | 8.4                    | 6.3       |
| Farmington Canyon (lower)         | 6950      | 3/2            | 51                  | 18.3                   | 25.4                   | 16.9      |
| Farmington Canyon (upper)         | 8000      | 3/2            | 77                  | 26.4                   | 33.5                   | 20.9      |
| Lamb's Canyon x                   | 6600      | 2/27           | 48                  | 15.9                   | 22.4                   | 11.6      |
| Parley's Canyon Smt.              | 7500      | 2/27           | 50                  | 16.3                   | 21.3                   | 14.2      |
| Redden Mine (lower)               | 8500      | 2/25           | 39                  | 11.7                   | 25.5                   | 13.9      |
| Redden Mine (upper)               | 9000      | 2/25           | 42                  | 12.9                   | 27.6                   | 15.5      |
| Silver Lake x                     | 8725      | 2/26           | 54                  | 18.9                   | 31.0                   | 18.9      |
| Smith & Morehouse                 | 7600      | 2/24           | 29                  | 9.1                    | 18.0                   | 10.1      |
| Trial Lake x                      | 9800      | 2/26           | 61                  | 18.9                   | 29.8                   | 20.7      |
| Horse Ridge                       | 8260      | 2/28           | 54                  | 19.3                   | - -                    | --        |
| Kilfore Creek                     | 7300      | 2/28           | 39                  | 12.8                   | - -                    | --        |

FOOTNOTES - See last page

FOOTNOTES - See last page



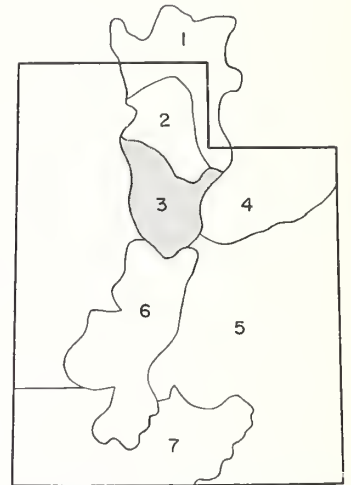


# UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS

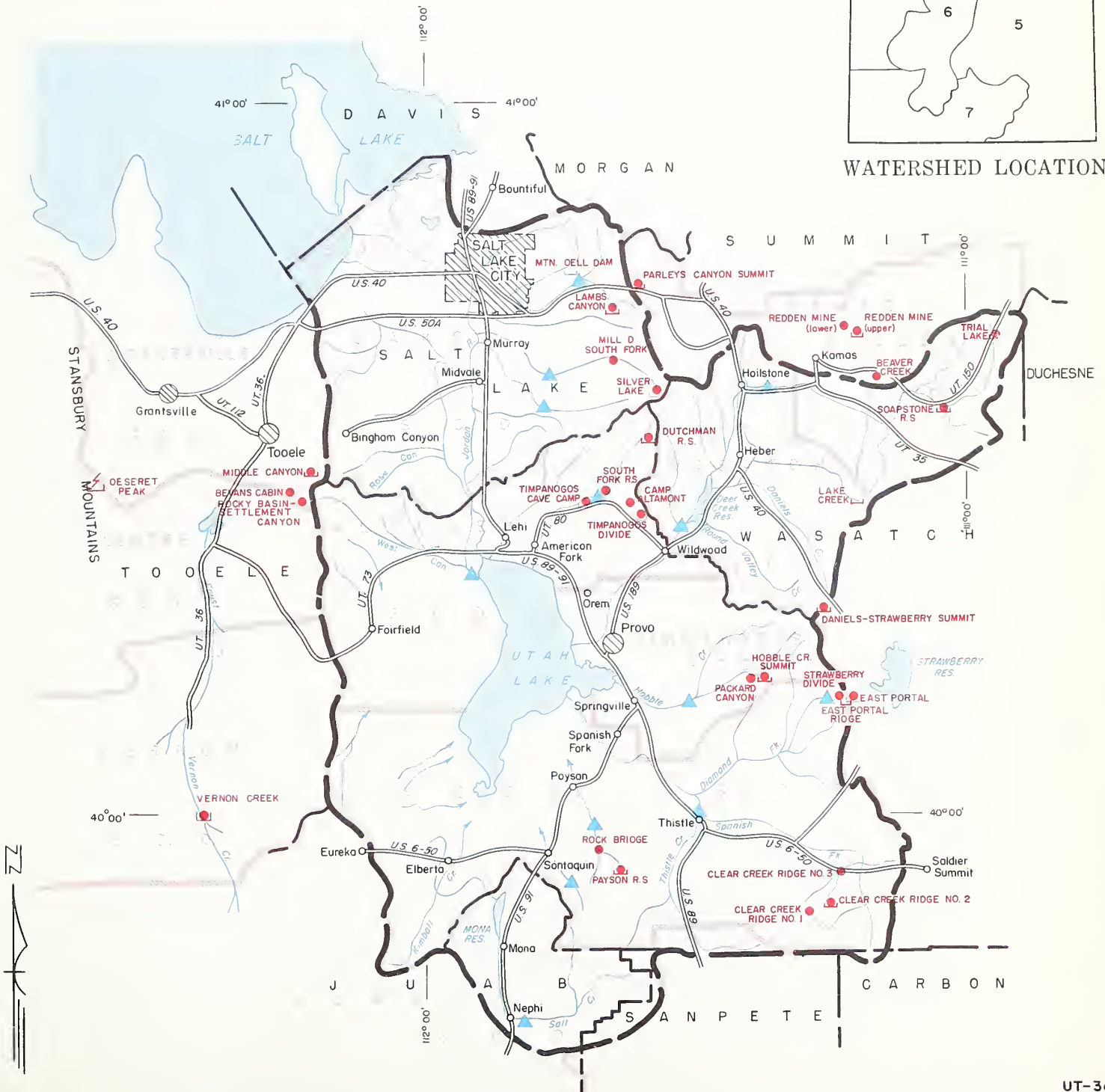


## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ┌┐ S.C.S. Storage Gage
- └└ W.B. Storage Gage



WATERSHED LOCATION



# INDEX

| NO.                     | STATE | NAME                      | SEC.    | TWP. | RGE. | ELEV. |
|-------------------------|-------|---------------------------|---------|------|------|-------|
| PROVO RIVER & UTAH LAKE |       |                           |         |      |      |       |
| 11J20                   | U     | Camp Altamont             | 29      | 4S   | 3E   | 7,300 |
| 11K21                   | U     | Clear Creek Ridge #1      | 18      | 11S  | 6E   | 9,200 |
| 11K22P                  | U     | Clear Creek Ridge #2      | 9       | 11S  | 6E   | 8,000 |
| 11K23                   | U     | Clear Creek Ridge #3      | 27      | 10S  | 6E   | 6,600 |
| 11J23MP                 | U     | Daniels-Strawberry Summit | 20      | 2S   | 12W  | 8,000 |
| 11J17P                  | U     | Dutchman R.S.             | 27      | 3S   | 3E   | 7,560 |
| 11J7P                   | U     | East Portal               | 36      | 7S   | 6E   | 7,560 |
| 11J22P                  | U     | Hobble Creek Summit       | 27      | 7S   | 5E   | 7,420 |
| 11J36P                  | U     | Lake Creek                | 36      | 4S   | 6E   | 9,100 |
| 11J31                   | U     | Packard Canyon            | 21      | 7S   | 5E   | 6,400 |
| 11K1P                   | U     | Payson R.S.               | 30      | 10S  | 3E   | 8,050 |
| 11K2                    | U     | Rock Bridge               | 14      | 10S  | 2E   | 6,750 |
| 11J25P                  | U     | Soapstone R.S.            | 9       | 3S   | 8E   | 7,800 |
| 11J19                   | U     | South Fork R.S.           | 24      | 4S   | 2E   | 6,100 |
| 11J8                    | U     | Strawberry Divide         | 34 & 35 | 7S   | 6E   | 8,000 |
| 11J18                   | U     | Timpanogos Cave Camp      | 27      | 4S   | 2E   | 5,500 |
| 11J21P                  | U     | Timpanogos Divide         | 33      | 4S   | 3E   | 8,140 |
| 10J8P                   | U     | Trial Lake                | 5       | 2S   | 9E   | 9,800 |

## JORDAN RIVER & GREAT SALT LAKE

|        |   |                               |    |     |    |       |
|--------|---|-------------------------------|----|-----|----|-------|
| 12J2   | U | Bevan's Cabin                 | 24 | 4S  | 4W | 6,450 |
| 12J5p  | U | Deseret Peak                  | 15 | 4S  | 7W | 9,250 |
| 11J12P | U | Farmington Canyon (lower)     | 14 | 3N  | 1E | 6,950 |
| 11J11  | U | Farmington Canyon (upper)     | 26 | 3N  | 1E | 8,000 |
| 11J41P | U | Lamb's Canyon #2              | 21 | 1S  | 3E | 7,400 |
| 12J3P  | U | Middle Canyon                 | 8  | 4S  | 3W | 7,000 |
| 11J10  | U | Mill D South Fork             | 18 | 2S  | 3E | 7,400 |
| 11J15P | U | Parley's Canyon Summit x      | 5  | 1S  | 3E | 7,500 |
| 12J1   | U | Rocky Basin-Settlement Canyon | 30 | 4S  | 3W | 8,900 |
| 11J16P | U | Silver Lake (Brighton)        | 35 | 2S  | 3E | 8,725 |
| 12K2P  | U | Vernon Creek                  | 21 | 10S | 5W | 7,500 |

## LEGEND

### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

| SNOW                                    |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|---|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE       |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME                                    | Elevation |                |                     |                        | Last Year              | Average † |
| <u>UTAH LAKE</u>                        |           |                |                     |                        |                        |           |
| Beaver Creek R.S. x                     | 7500      | 2/26           | 22                  | 6.2                    | 11.8                   | 7.3       |
| Camp Altamont                           | 7300      | 2/27           | 24                  | 8.9                    | 29.0                   | 12.1      |
| Clear Creek Ridge #1                    | 9200      | 2/26           | 44                  | 14.9                   | 23.7                   | 14.2b     |
| Clear Creek Ridge #2                    | 8000      | 2/25           | 39                  | 11.2                   | 13.1                   | 11.0b     |
| Clear Creek Ridge #3                    | 6600      | 2/26           | 24                  | 8.0                    | 11.6                   | 6.2b      |
| Daniels-Strawberry Smt.                 | 8000      | 2/24           | 28                  | 8.0                    | 25.3                   | 11.6      |
| Dutchman R.S.                           | 7560      | 2/27           | 37                  | 13.4                   | 27.5                   | 14.8b     |
| East Portal                             | 7560      | 2/27           | 26                  | 8.0                    | 18.7                   | 8.6       |
| Hobble Creek Summit                     | 7420      | 2/26           | 31                  | 10.0                   | 20.2                   | 10.7b     |
| Packard Canyon                          | 6400      | 2/26           | 21                  | 7.2                    | 14.8                   | 8.2b      |
| Payson R.S.                             | 8050      | 2/24           | 44                  | 15.8                   | 23.6                   | 13.9b     |
| Rock Bridge                             | 6750      | 2/24           | 27                  | 9.7                    | 12.6                   | 9.6b      |
| Soapstone R.S.                          | 7800      | 2/26           | 36                  | 10.3                   | 14.3                   | 10.5      |
| South Fork R.S.                         | 6100      | 2/27           | 7                   | 2.9                    | 8.6                    | 5.0       |
| Strawberry Divide                       | 8000      | 2/27           | 48                  | 15.5                   | 27.9                   | 15.1      |
| Timpanogos Cave Camp                    | 5500      | 2/27           | 0                   | 0.0                    | 3.2                    | 2.3       |
| Timpanogos Divide                       | 8140      | 2/27           | 41                  | 13.2                   | 41.5                   | 19.9      |
| Trial Lake                              | 9800      | 2/26           | 61                  | 18.9                   | 29.8                   | 20.7      |
| <u>JORDAN RIVER &amp; TOOELE VALLEY</u> |           |                |                     |                        |                        |           |
| Lamb's Canyon                           | 6600      | 2/27           | 48                  | 15.9                   | 19.0                   | 11.6      |
| Middle Canyon - Tooele                  | 7000      | 2/27           | 31                  | 11.6                   | 18.6                   | 10.1b     |
| Mill D South Fork                       | 7400      | 2/26           | 49                  | 18.2                   | 24.6                   | 15.7      |
| Parley's Canyon Smt. x                  | 7500      | 2/27           | 50                  | 16.3                   | 21.3                   | 14.2      |
| Silver Lake                             | 8725      | 2/26           | 54                  | 18.9                   | 31.0                   | 18.9      |
| Vernon Creek                            | 7500      | 2/27           | 13                  | 4.6                    | 17.2                   | - -       |

FOOTNOTES - See last page

FOOTNOTES - See last page

### PRECIPITATION (Inches)

| DRAINAGE BASIN and<br>PRECIPITATION GAGE LOCATION | ELEVATION | CURRENT INFORMATION |                          |           | FROM APPROX. OCT. 1 TO DATE |           |                       |
|---|-----------|---------------------|--------------------------|-----------|-----------------------------|-----------|-----------------------|
|   |           | Date of<br>Reading  | Month's<br>Precipitation | Average † | This Year                   | Average † | Percent of<br>Average |
| <u>UTAH LAKE</u>                                  |           |                     |                          |           |                             |           |                       |
| Clear Creek Ridge #2                              | 8000      | 2/25                | 3.00                     | 2.62b     | 12.75                       | 11.59*    | 110                   |
| Daniels-Strawberry Smt.                           | 8000      | 2/24                | 1.43                     | 2.90b     | 12.72                       | 13.85*    | 92                    |
| Dutchman R.S.                                     | 7500      | 2/27                | --                       | - -       | 9.88                        | 15.94b    | 62                    |
| East Portal Ridge                                 | 7800      | 2/27                | 1.41                     | 3.37      | 13.21                       | 13.78*    | 96                    |
| Hobble Creek Smt.                                 | 7300      | 2/26                | --                       | - -       | 12.60                       | - -       | --                    |
| Payson R.S.                                       | 8050      | 2/24                | 1.79                     | 3.84b     | 15.29                       | 13.85     | 110                   |
| Soapstone R.S.                                    | 7800      | 2/25                | 1.60                     | 2.71b     | 13.80                       | 12.13     | 114                   |
| Timpanogos Divide                                 | 8200      | 2/27                | 1.82                     | 3.94      | 12.37                       | 19.89     | 62                    |
| Trial Lake  | 9800      | 2/26                | 2.17                     | 4.47b     | 18.52                       | 17.36     | 107                   |
| <u>JORDAN RIVER &amp; TOOELE<br/>VALLEY</u>       |           |                     |                          |           |                             |           |                       |
| Middle Canyon                                     | 7000      | 2/27                | 1.95                     | 3.32b     | 11.71                       | 12.87     | 91                    |
| Mt. Dell Dam                                      | 5500      | 2/28                | 1.22                     | 2.02      | 12.08                       | 9.52      | 127                   |
| Parley's Canyon Smt.                              | 7500      | 2/27                | 2.49                     | 3.94*     | 18.65                       | 15.58     | 120                   |
| Silver Lake (Brighton)                            | 8725      | 2/28                | 3.10                     | 3.40      | 21.07                       | 19.11     | 110                   |
| Vernon Creek                                      | 7500      | 2/27                | --                       | - -       | 10.36                       | - -       | --                    |
| FOOTNOTES - See last page                         |           |                     |                          |           |                             |           |                       |

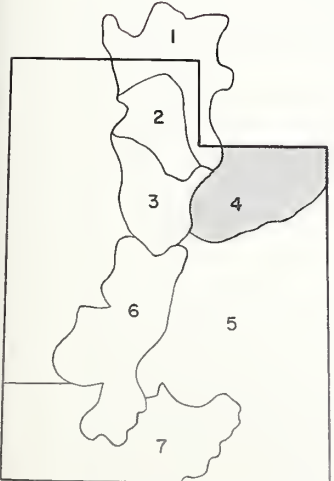
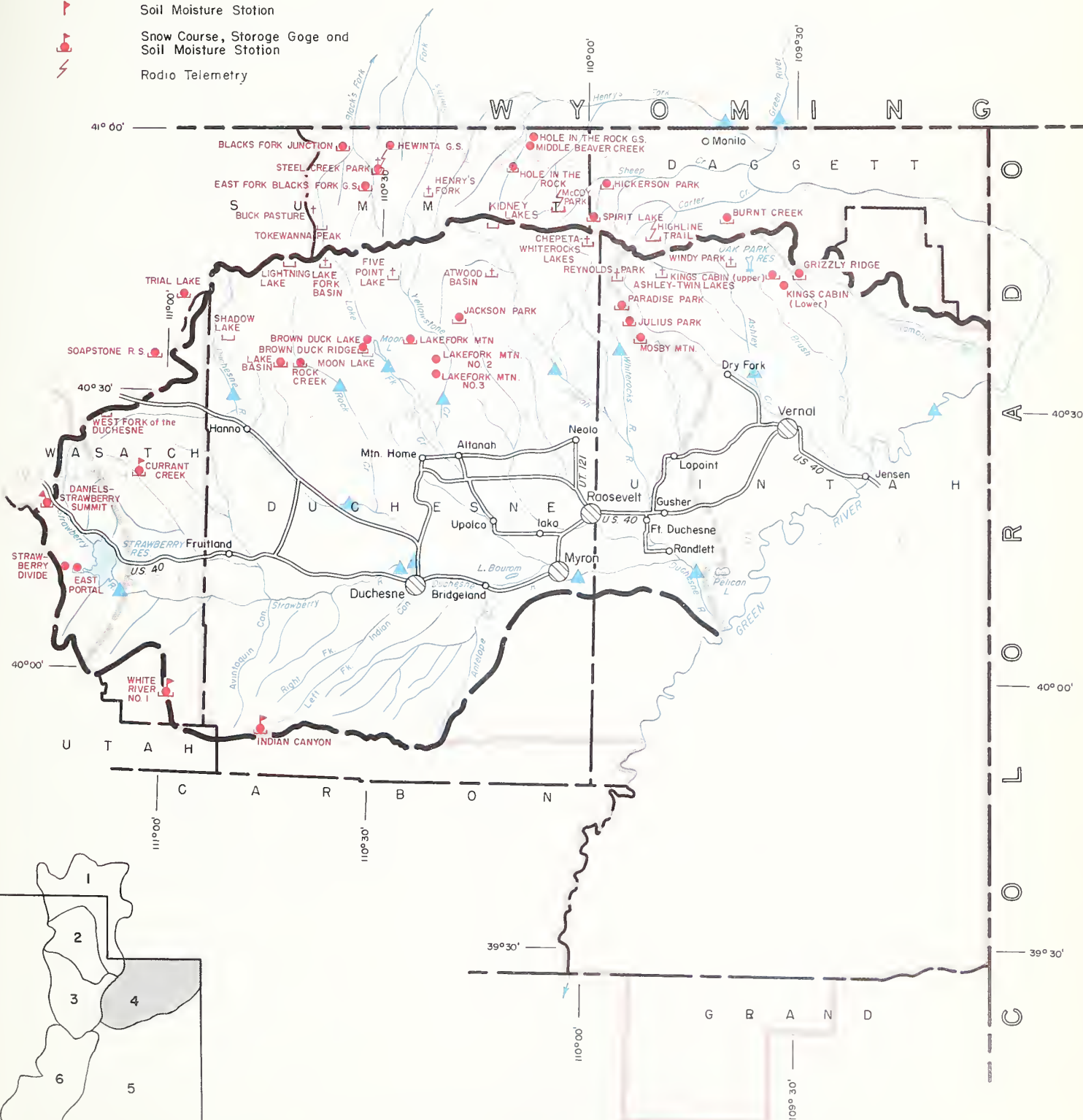


# LEGEND

- Watershed Boundary
- Sub-watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage
- Aerial Snow Depth Gage
- Snow Course and Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Course, Storage Gage and Soil Moisture Station
- Radio Telemetry

## UINTAH BASIN & DAGGETT S. C. D's.

5 0 5 10 15 20  
SCALE IN MILES



WATERSHED LOCATION

# INDEX

| NO.  | STATE | NAME                        | SEC.    | TWP. | RGE | ELEV.  |
|--|-------|-----------------------------|---------|------|-----|--------|
| UPPER GREEN RIVER IN UTAH (above Duchesne River) |       |                             |         |      |     |        |
| 9J11a  | U     | Ashley Twin Lakes           | 20      | 1S   | 19E | 10,500 |
| 10J21P   | U     | Black's Fork G.S.-East Fork | 25      | 2N   | 12E | 9,300  |
| 10J22P   | U     | Black's Fork Junction       | 33      | 3N   | 12E | 8,925  |
| 10J23a   | U     | Buck Pasture                | 14      | 1N   | 11E | 9,700  |
| 10J24ap  | U     | Henry's Fork                | 29      | 2N   | 14E | 10,000 |
| 10J4P  | U     | Hewinta G.S.                | 33      | 3N   | 13E | 9,500  |
| 9J8P   | U     | Hickerson Park              | 24      | 2N   | 17E | 9,100  |
| 9J15p  | U     | Highline Trail              | 23      | 1N   | 19E | 10,250 |
| 10J1   | U     | Hole-in-the-Rock            | 13      | 2N   | 15E | 9,150  |
| 10J3   | U     | Hole-in-the-Rock G.S.       | 32      | 3N   | 16E | 8,300  |
| 9J2  | U     | King's Cabin (lower)        | 23 & 26 | 1S   | 21E | 8,600  |
| 9J1P   | U     | King's Cabin (upper)        | 22      | 1S   | 21E | 8,730  |
| 10J37p   | U     | McCoy Park                  | 6       | 1N   | 17E | 10,680 |
| 10J2   | U     | Middle Beaver Creek         | 31      | 3N   | 16E | 8,550  |
| 9J10a  | U     | Reynolds Park               | 9       | 1S   | 18E | 10,400 |
| 9J7P   | U     | Spirit Lake                 | 10      | 1N   | 17E | 10,300 |
| 10J20A   | U     | Steel Creek Park            | 17      | 2N   | 13E | 9,900  |
| 9J12a  | U     | Windy Park                  | 1       | 1S   | 20E | 9,400  |

## DUCHESNE RIVER

|         |   |                             |         |     |     |        |
|---------|---|-----------------------------|---------|-----|-----|--------|
| 10J27a  | U | Atwood Basin                | 21      | 1S  | 15E | 10,250 |
| 10J9    | U | Brown Duck Lake             | 2       | 2N  | 6W  | 10,300 |
| 9J14P   | U | Burnt Creek                 | 4       | 1N  | 20E | 7,900  |
| 9J9a    | U | Chepeta-Whiterocks Lakes    | 3       | 1S  | 17E | 10,300 |
| 11J32MP | U | Currant Creek               | 31      | 1S  | 10W | 7,800  |
| 11J23MP | U | Daniels-Strawberry Summit x | 20      | 2S  | 12W | 8,000  |
| 11J7P   | U | East Portal x               | 36      | 7S  | 6E  | 7,560  |
| 10J26a  | U | Five Point Lake             | 28      | 4N  | 5W  | 11,000 |
| 9J13P   | U | Grizzley Ridge              | 8       | 1S  | 22E | 8,500  |
| 10K1P   | U | Indian Canyon               | 2       | 11S | 10E | 9,100  |
| 10J19   | U | Jackson Park                | 23      | 3N  | 4W  | 11,300 |
| 9J6P    | U | Julius Park                 | 20      | 3N  | 1E  | 9,800  |
| 10J38P  | U | Lake Basin                  | 23      | 3S  | 8W  | 10,800 |
| 10J25a  | U | Lakefork Basin              | 13      | 4N  | 7W  | 11,100 |
| 10J10P  | U | Lakefork Mountain           | 2 & 3   | 2N  | 5W  | 10,200 |
| 10J11   | U | Lakefork Mountain #2        | 17      | 2N  | 4W  | 8,900  |
| 10J12   | U | Lakefork Mountain #3        | 29      | 2N  | 4W  | 8,100  |
| 10J29p  | U | Lightning Lake              | 24      | 4N  | 8W  | 10,950 |
| 9J5     | U | Mosby Mountain              | 27      | 2S  | 18E | 9,500  |
| 9J3P    | U | Paradise Park               | 7       | 3N  | 1E  | 10,100 |
| 10J18P  | U | Rock Creek                  | 21      | 2N  | 7W  | 7,900  |
| 10J32p  | U | Shadow Lake                 | 28      | 3N  | 8W  | 10,150 |
| 10J25P  | U | Soapstone R.S. x            | 9       | 3S  | 8E  | 7,800  |
| 11J8    | U | Strawberry Divide x         | 34 & 35 | 7S  | 6E  | 8,000  |
| 10J8P   | U | Trial Lake x                | 5       | 2S  | 9E  | 9,800  |
| 11J35P  | U | West Fork of the Duchesne   | 22      | 1N  | 19E | 10,250 |
| 10K2MP  | U | White River #1 x            | 11      | 10S | 8E  | 8,550  |

## LEGEND

### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

UINTAH BASIN & DAGGETT SCD'S

## SNOW

| SNOW                              |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|-----------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME                              | Elevation |                |                     |                        | Last Year              | Average † |
| <u>UINTAH BASIN SCD</u>           |           |                |                     |                        |                        |           |
| Daniels-Strawberry Smt. x         | 8000      | 2/24           | 28                  | 8.0                    | 25.3                   | 11.6      |
| East Portal x                     | 7560      | 2/27           | 26                  | 8.0                    | 18.7                   | 8.6       |
| Indian Canyon                     | 9100      | 2/27           | 25                  | 6.3                    | 17.7                   | 9.3       |
| Julius Park                       | 9800      | 2/25           | 36                  | 8.7                    | 19.9                   | 9.4b      |
| King's Cabin (lower)              | 8600      | 2/26           | 21                  | 5.6                    | 11.5                   | 6.8       |
| King's Cabin (upper)              | 8730      | 2/26           | 30                  | 6.7                    | 12.8                   | 7.9       |
| Lakefork Mountain                 | 10200     | 2/24           | 28                  | 6.8                    | 16.5                   | 9.0       |
| Lakefork Mountain #2              | 8900      | 2/24           | 15                  | 2.7                    | 14.1                   | 6.4       |
| Lakefork Mountain #3              | 8100      | 2/24           | 12                  | 2.1                    | 13.2                   | 5.4       |
| Mosby Mountain                    | 9500      | 2/25           | 24                  | 5.0                    | 16.3                   | 7.9       |
| Paradise Park                     | 10100     | 2/25           | 31                  | 7.4                    | 19.4                   | 9.4       |
| Soapstone R.S. x                  | 7800      | 2/26           | 36                  | 10.3                   | 14.3                   | 10.5      |
| Strawberry Divide x               | 8000      | 2/27           | 48                  | 15.5                   | 27.9                   | 15.1      |
| Trial Lake x                      | 9800      | 2/26           | 61                  | 18.9                   | 29.8                   | 20.7      |
| White River #1                    | 8550      | 2/27           | 35                  | 10.7                   | 17.5                   | 10.8b     |
| <u>DAGGETT SCD</u>                |           |                |                     |                        |                        |           |
| Black's Fork Jct.                 | 8925      | 2/19           | 32                  | 7.4                    | 7.2                    | 7.2b      |
| Black's Fork G.S.-East Fk.        | 9300      | 2/19           | 34                  | 7.7                    | 6.2                    | 7.4b      |
| Hewinta Guard Station             | 9500      | 2/19           | 35                  | 8.3                    | 6.0                    | 7.0b      |
| Hickerson Park                    | 9100      | 2/27           | 23                  | 5.6                    | 9.3                    | - -       |
| Spirit Lake                       | 10300     | 2/26           | 40                  | 9.6                    | 9.7                    | 9.3b      |
| Steel Creek Park                  | 9900      | 2/19           | 51                  | 12.3                   | 11.9                   | 11.8b     |
| <u>UINTAH BASIN - Aerial Mark</u> |           |                |                     |                        |                        |           |
| Ashley Twin Lakes A               | 10500     |                | No Report           |                        |                        | - -       |
| Atwood Basin A                    | 10250     | 2/25           | 39                  | 10.1                   |                        | - -       |
| Buck Pasture A                    | 9700      | 2/25           | 24                  | 5.8                    | 10.8                   | - -       |
| Chepeta-Whiterocks Lakes A        | 10300     |                | No Report           |                        |                        | - -       |
| Five Point Lake A                 | 11000     | 2/25           | 24                  | 6.2                    |                        | - -       |
| Henry's Fork A                    | 10000     | 2/25           | 40                  | 9.6                    | 8.9                    | - -       |
| Lakefork Basin A                  | 11100     | 2/25           | 51                  | 13.3                   |                        | - -       |
| Reynolds Park A                   | 10400     |                | No Report           |                        |                        | - -       |
| Windy Park A                      | 9400      | 2/25           | 24                  | 5.3                    | 17.3                   | - -       |
| FOOTNOTES - See last page         |           |                |                     |                        |                        |           |

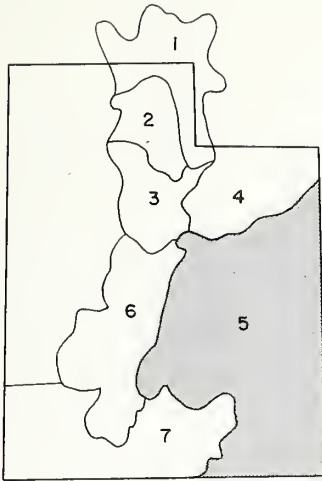
### PRECIPITATION (Inches)

| DRAINAGE BASIN and<br>PRECIPITATION GAGE LOCATION | ELEVATION | CURRENT INFORMATION |                          |           | FROM APPROX. OCT. 1 TO DATE |           |                       |
|---|-----------|---------------------|--------------------------|-----------|-----------------------------|-----------|-----------------------|
|   |           | Date of<br>Reading  | Month's<br>Precipitation | Average † | This Year                   | Average † | Percent of<br>Average |
| <u>UINTAH BASIN SCD</u>                           |           |                     |                          |           |                             |           |                       |
| Daniels-Strawberry SMT.x                          | 8000      | 2/24                | 1.43                     | 2.90b     | 12.72                       | 13.85b    | 92                    |
| East Portal Ridge x                               | 7800      | 2/27                | 1.41                     | 3.37      | 13.21                       | 13.78*    | 96                    |
| Grizzly Ridge                                     | 8500      | 2/26                | 1.06                     | - -       | 8.32                        | - -       | --                    |
| Indian Canyon                                     | 9100      | 2/27                | 0.60                     | 1.53b     | 9.78                        | 10.74     | 91                    |
| Julius Park                                       | 9800      | 2/25                | 0.96                     | 1.76*     | 6.55                        | 9.38*     | 70                    |
| King's Cabin (upper)                              | 8730      | 2/26                | --                       | - -       | 7.47                        | 7.97*     | 94                    |
| Lakefork Mountain                                 | 10500     | 2/24                | 0.48                     | 2.24b     | 7.85                        | 9.18      | 86                    |
| Moon Lake   | 8150      | 2/28                | 0.25                     | 1.16      | 4.65                        | 6.41      | 73                    |
| Paradise Park                                     | 10100     | 2/25                | 0.98                     | 1.92      | 6.88                        | 10.30     | 67                    |
| Soapstone R.S.x                                   | 7800      | 2/25                | 1.60                     | 2.71b     | 13.80                       | 12.13     | 114                   |
| Trial Lake x                                      | 9800      | 2/26                | 2.17                     | 4.47b     | 18.52                       | 17.36     | 107                   |
| White River #1                                    | 8600      | 2/27                | --                       | - -       | 9.75                        | 10.40*    | 94                    |
| <u>DAGGETT SCD</u>                                |           |                     |                          |           |                             |           |                       |
| Black's Fork Jct.                                 | 8925      | 2/19                | --                       | - -       | 9.88                        | 8.00b     | 124                   |
| Burnt Creek                                       | 7900      | 2/27                | 0.60                     | - -       | 7.18                        | - -       | --                    |
| East Fork Black's Fk.G.S.                         | 9300      | 2/19                | --                       | - -       | 8.98                        | - -       | --                    |
| Hewinta Guard Station                             | 9500      | 2/19                | --                       | - -       | 10.84                       | - -       | --                    |
| Hickerson Park                                    | 9100      | 2/26                | --                       | - -       | 3.36                        | - -       | --                    |
| Spirit Lake                                       | 10300     | 2/26                | --                       | - -       | 9.71                        | 11.33     | 86                    |
| Steel Creek Park                                  | 9900      | 2/27                | 1.34                     | - -       | 12.03                       | - -       | --                    |
| FOOTNOTES - See last page                         |           |                     |                          |           |                             |           |                       |



# CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES

10 0 10 20 30 40  
SCALE IN MILES

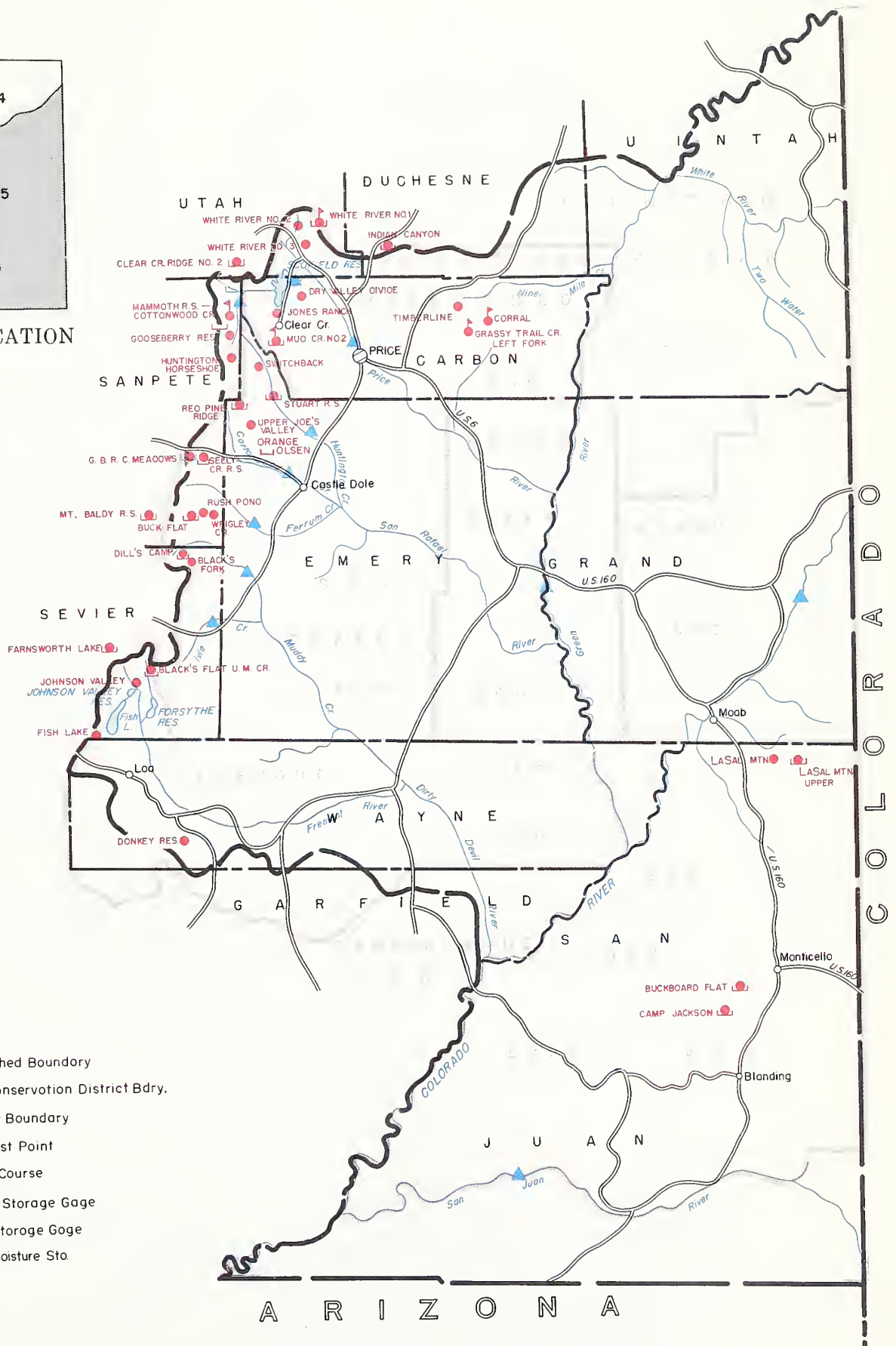


WATERSHED LOCATION



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ┌ S.C.S. Storage Gage
- └ W.B. Storage Gage
- └┐ Soil Moisture Sta.



# INDEX

| NO.                         | STATE | NAME                                 | SEC.  | TWP. | RGE. | ELEV.  |
|-----------------------------|-------|--------------------------------------|-------|------|------|--------|
| PRICE RIVER                 |       |                                      |       |      |      |        |
| 10K5M                       | U     | Corral                               | 32    | 13S  | 14E  | 8,200  |
| 11K8                        | U     | Dry Valley Divide                    | 20    | 12S  | 8E   | 7,800  |
| 11K4P                       | U     | Gooseberry Reservoir                 | 25    | 13S  | 5E   | 8,700  |
| 10K3M                       | U     | Grassy Trail Creek-Left Fork         | 2     | 14S  | 13E  | 7,970  |
| 11K5                        | U     | Huntington-Horseshoe                 | 12    | 14S  | 5E   | 9,800  |
| 10K1P                       | U     | Indian Canyon x                      | 2     | 11S  | 10E  | 9,100  |
| 11K7                        | U     | Jones Ranch                          | 32    | 12S  | 7E   | 7,600  |
| 11K3MP                      | U     | Mammoth R.S. -<br>Cottonwood Creek x | 13    | 13S  | 5E   | 8,800  |
| 11K33MP                     | U     | Mud Creek                            | 4     | 14S  | 7E   | 8,300  |
| 10K6                        | U     | Timberline                           | 28    | 13S  | 13E  | 9,100  |
| 10K2MP                      | U     | White River #1                       | 11    | 10S  | 8E   | 8,550  |
| 11K24                       | U     | White River #2                       | 9     | 10S  | 8E   | 7,600  |
| 11K25                       | U     | White River #3                       | 30    | 10S  | 8E   | 7,400  |
| SAN RAFAEL RIVER            |       |                                      |       |      |      |        |
| 11K31P                      | U     | Buck Flat                            | 23    | 19S  | 4E   | 9,400  |
| 11K4P                       | U     | Gooseberry Reservoir x               | 25    | 13S  | 5E   | 8,700  |
| 11K5                        | U     | Huntington-Horseshoe x               | 12    | 14S  | 5E   | 9,800  |
| 11K28P                      | U     | Red Pine Ridge                       | 5     | 16S  | 6E   | 9,400  |
| 11K38                       | U     | Rush Pond                            | 24    | 19S  | 4E   | 9,800  |
| 11K9                        | U     | Seeley Creek R.S.                    | 25    | 17S  | 4E   | 10,000 |
| 11K27P                      | U     | Stuart R.S.                          | 8 & 9 | 15S  | 7E   | 7,950  |
| 11K26                       | U     | Switchback                           | 14    | 14S  | 6E   | 8,600  |
| 11K29                       | U     | Upper Joe's Valley                   | 21    | 16S  | 6E   | 8,900  |
| 11K32                       | U     | Wrigley Creek                        | 27    | 19S  | 5E   | 9,000  |
| MUDDY RIVER                 |       |                                      |       |      |      |        |
| 11K14                       | U     | Black's Fork                         | 34    | 20S  | 4E   | 9,200  |
| 11K15                       | U     | Dill's Camp                          | 27    | 20S  | 4E   | 9,200  |
| FREMONT RIVER               |       |                                      |       |      |      |        |
| 11L4P                       | U     | Black's Flat-U.M. Creek              | 33    | 24S  | 3E   | 9,250  |
| 11L5                        | U     | Donkey Reservoir                     | 9     | 30S  | 4E   | 9,800  |
| 11L3                        | U     | Fish Lake                            | 35    | 26S  | 1E   | 8,700  |
| 11L6                        | U     | Johnson Valley                       | 24    | 25S  | 2E   | 8,850  |
| SOUTHEASTERN UTAH DRAINAGES |       |                                      |       |      |      |        |
| 9M1P                        | U     | Buckboard Flat                       | 36    | 33S  | 22E  | 9,000  |
| 9M2P                        | U     | Camp Jackson                         | 22    | 34S  | 22E  | 8,600  |
| 9L1                         | U     | LaSal Mountain                       | 5     | 27S  | 24E  | 8,800  |
| 9L2P                        | U     | LaSal Mountain (upper)               | 3     | 27S  | 24E  | 9,400  |

## LEGEND

### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

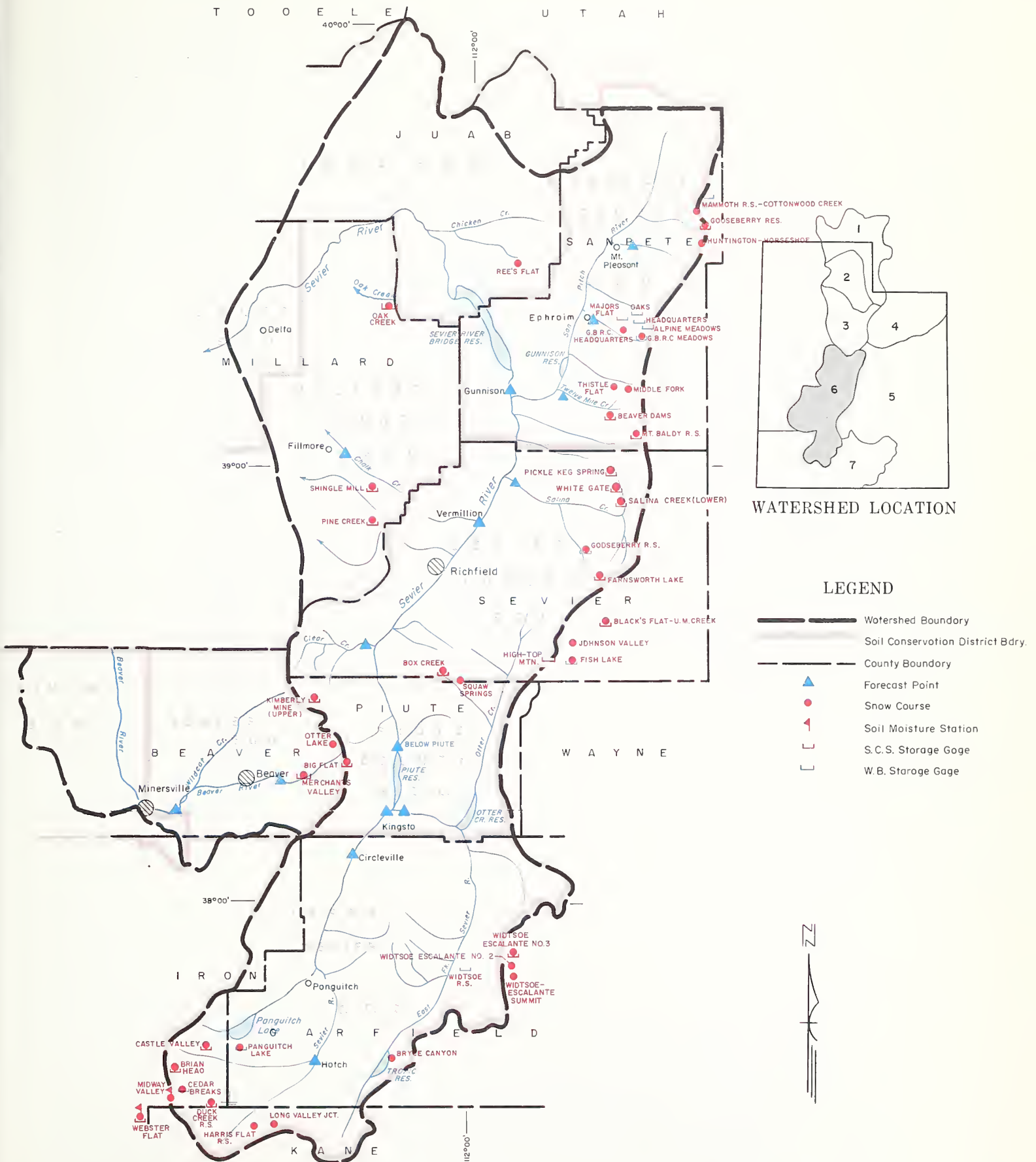
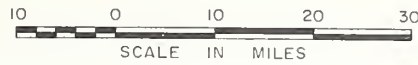
| SNOW                               |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|------------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE  |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME                               | Elevation |                |                     |                        | Last Year              | Average † |
| <u>PRICE RIVER</u>                 |           |                |                     |                        |                        |           |
| Corral                             | 8200      | Not Scheduled  |                     |                        | N.M.                   | 7.4b      |
| Dry Valley Divide                  | 7800      | 2/26           | 27                  | 7.2                    | 17.7                   | 8.7       |
| Gooseberry Reservoir               | 8700      | 2/25           | 41                  | 14.0                   | 26.7                   | 14.4b     |
| Grassy Trail Crk-Left Fk.          | 7970      | Not Scheduled  |                     |                        | 19.4                   | 14.5b     |
| Indian Canyon x                    | 9100      | 2/27           | 25                  | 6.3                    | 17.7                   | 9.3       |
| Jones Ranch                        | 7600      | 2/26           | 15                  | 5.0                    | 13.0                   | 5.8       |
| Mammoth R.S.-Ctnwood. Crk. x       | 8800      | 2/25           | 48                  | 16.0                   | 29.0                   | 14.5b     |
| Mud Creek #2                       | 8300      | 2/26           | 37                  | 11.3                   | 19.7                   | 10.4*     |
| Timberline                         | 9100      | Not Scheduled  |                     |                        | N.M.                   | 9.4b      |
| White River #1                     | 8550      | 2/27           | 35                  | 10.7                   | 17.5                   | 10.8b     |
| White River #2                     | 7600      | 2/27           | 26                  | 7.9                    | 13.6                   | 7.5b      |
| White River #3                     | 7400      | 2/27           | 23                  | 8.0                    | 13.3                   | 7.1b      |
| <u>SAN RAFAEL RIVER</u>            |           |                |                     |                        |                        |           |
| Buck Flat                          | 9400      | 2/26           | 46                  | 13.9                   | 20.7                   | 12.7b     |
| Gooseberry Reservoir               | 8700      | 2/25           | 41                  | 14.0                   | 26.7                   | 14.4b     |
| Mammoth R.S.-Ctnwood. x            | 8800      | 2/25           | 48                  | 16.0                   | 29.0                   | 14.5b     |
| Red Pine Ridge                     | 9400      | 2/29           | 47                  | 14.2                   | 23.1                   | 13.8b     |
| Rush Pond                          | 9800      | 2/26           | 38                  | 10.6                   | 18.7                   | 11.4b     |
| Seely Creek R.S.                   | 10000     | 2/27           | 39                  | 12.4                   | 19.2                   | 12.0      |
| Upper Joe's Valley                 | 8900      | 2/27           | 30                  | 8.1                    | 15.9                   | 8.2b      |
| Wrigley Creek                      | 9000      | 2/26           | 30                  | 7.2                    | 15.7                   | 9.0b      |
| <u>MUDDY RIVER</u>                 |           |                |                     |                        |                        |           |
| Mt. Baldy R.S. x                   | 9500      | 2/24           | 58                  | 19.2                   | 25.0                   | 17.3      |
| <u>FREMONT RIVER</u>               |           |                |                     |                        |                        |           |
| Black's Flat-U.M. Creek            | 9250      | 2/26           | 36                  | 10.0                   | 12.0                   | 7.7b      |
| Farnsworth Lake x                  | 9900      | 2/26           | 52                  | 17.6                   | 16.4                   | 13.4b     |
| Fish Lake                          | 8700      | 2/26           | 18                  | 5.2                    | 10.1                   | 4.7b      |
| Johnson Valley                     | 8850      | 2/26           | 21                  | 5.5                    | 9.8                    | 4.9b      |
| <u>SOUTHEASTERN UTAH DRAINAGES</u> |           |                |                     |                        |                        |           |
| Buckboard Flat                     | 9000      | 2/24           | 21                  | 6.2                    | 12.9                   | 9.8b      |
| Camp Jackson                       | 8600      | 2/24           | 15                  | 4.0                    | 17.9                   | 9.2b      |
| LaSal Mountain (lower)             | 8800      | 2/25           | 26                  | 6.9                    | 9.8                    | 7.2       |
| LaSal Mountain (upper)             | 9400      | 2/25           | 45                  | 12.5                   | 15.0                   | 11.3b     |
| FOOTNOTES - See last page          |           |                |                     |                        |                        |           |

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1100 778 1



# SEVIER RIVER BASIN including BEAVER RIVER



# INDEX

| NO.  | STATE | NAME                          | SEC.    | TWP. | RGE. | ELEV.  |
|--|-------|-------------------------------|---------|------|------|--------|
| UPPER SEVIER RIVER (South of Richfield, Utah)  |       |                               |         |      |      |        |
| 12L7P  | U     | Big Flat x                    | 18      | 29S  | 4W   | 10,290 |
| 12L4P  | U     | Box Creek                     | 33      | 26S  | 2W   | 9,800  |
| 12M8   | U     | Bryce Canyon                  | 36      | 36S  | 4W   | 8,000  |
| 12M13P   | U     | Castle Valley                 | 23      | 36S  | 8W   | 9,700  |
| 12M1P  | U     | Cedar Breaks                  | 2       | 37S  | 9W   | 10,390 |
| 12M4P  | U     | Duck Creek R.S.               | 11      | 38S  | 8W   | 8,700  |
| 11L3   | U     | Fish Lake x                   | 35      | 26S  | 1E   | 8,700  |
| 12M5   | U     | Harris Flat                   | 24      | 38S  | 7W   | 7,700  |
| 11L9   | U     | High-Top Mountain.            | 36      | 25S  | 1E   | 11,400 |
| 12L6P  | U     | Kimberly Mine                 | 11      | 27S  | 5W   | 9,300  |
| 12M6   | U     | Long Valley Junction x        | 22      | 38S  | 6W   | 7,500  |
| 12M2M  | U     | Midway Valley                 | 26      | 37S  | 9W   | 9,800  |
| 12M7P  | U     | Panguitch Lake                | 4 & 5   | 36S  | 7W   | 8,200  |
| 12L5   | U     | Squaw Springs                 | 3       | 27S  | 2W   | 9,300  |
| 11M1   | U     | Widtsoe-Escalante Summit x    | 22      | 34S  | 1W   | 9,500  |
| 11M2   | U     | Widtsoe-Escalante #2 x        | 22      | 34S  | 1W   | 9,500  |
| 11M3P  | U     | Widtsoe-Escalante #3 x        | 22      | 34S  | 1W   | 9,500  |
| 11M4P  | U     | Widtsoe R.S.                  | 22      | 34S  | 2W   | 7,600  |
| LOWER SEVIER RIVER (Including San Pitch River) |       |                               |         |      |      |        |
| 11K13P   | U     | Beaver Dams                   | 27      | 19S  | 3E   | 8,000  |
| 11L1P  | U     | Farnsworth Lake               | 27 & 33 | 23S  | 2E   | 9,900  |
| 11K11P   | U     | G.B.R.C. Headquarters         | 21      | 17S  | 4E   | 8,700  |
| 11K10  | U     | G.B.R.C. Meadows              | 26 & 27 | 17S  | 4E   | 10,000 |
| 11L2   | U     | Gooseberry R.S.               | 22      | 23S  | 2E   | 8,400  |
| 11K4P  | U     | Gooseberry Reservoir x        | 25      | 13S  | 5E   | 8,700  |
| 11K5   | U     | Huntington-Horseshoe x        | 12      | 14S  | 5E   | 9,800  |
| 11K3MP   | U     | Mammoth R.S.-Cottonwood Creek | 13      | 13S  | 5E   | 8,800  |
| 11K34  | U     | Middle Fork                   | 16      | 18S  | 4E   | 9,600  |
| 11K12P   | U     | Mt. Baldy R.S.                | 19      | 19S  | 4E   | 9,500  |
| 11K2P  | U     | Oak Creek                     | 9       | 17S  | 3W   | 7,760  |
| 11K39  | U     | Pickle Keg Springs            | 4       | 21S  | 3E   | 9,600  |
| 12L1P  | U     | Pine Creek                    | 24      | 22S  | 4W   | 8,700  |
| 11K36  | U     | Rees's Flat                   | 20      | 15S  | 2E   | 7,300  |
| 11L8   | U     | Salina Creek (lower)          | 12      | 22S  | 3E   | 7,250  |
| 12L11P   | U     | Shingle Mill                  | 5       | 22S  | 3W   | 6,200  |
| 11K35  | U     | Thistle Flat                  | 23      | 18S  | 3E   | 8,500  |
| 11L7   | U     | White Gate                    | 16      | 21S  | 3E   | 9,350  |
| BEAVER RIVER                                   |       |                               |         |      |      |        |
| 12L7P  | U     | Big Flat                      | 18      | 29S  | 4W   | 10,290 |
| 12L9P  | U     | Merchant's Valley             | 8 & 9   | 29S  | 5W   | 8,200  |
| 12L8   | U     | Otter Lake                    | 1       | 29S  | 5W   | 9,300  |

## LEGEND

Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

| SNOW  |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|---|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE                 |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME  | Elevation |                |                     |                        | Last Year              | Average † |
| UPPER SEVIER RIVER<br>(South of Richfield, Utah)  |           |                |                     |                        |                        |           |
| Big Flat x  | 10290     | 2/24           | 50                  | 14.5                   | 20.7                   | 13.0      |
| Box Creek   | 9800      | 2/27           | 39                  | 9.9                    | 18.5                   | 9.4b      |
| Bryce Canyon                                      | 8000      | 2/27           | 0                   | 0.0                    | 10.5                   | 2.4b      |
| Castle Valley                                     | 9700      | 2/26           | 27                  | 6.2                    | 23.0                   | 9.8b      |
| Cedar Breaks                                      | 10390     | Not Scheduled  |                     |                        | 36.9                   | 15.6      |
| Duck Creek R.S.                                   | 8700      | 2/26           | 8                   | 2.7                    | 32.3                   | 10.2      |
| Fish Lake x                                       | 8700      | 2/26           | 18                  | 5.2                    | 10.1                   | 4.7b      |
| Harris Flat                                       | 7700      | 2/26           | 1                   | 0.2                    | 23.4                   | 6.1       |
| Kimberly Mine                                     | 9300      | 2/25           | 41                  | 12.6                   | 17.1                   | 10.8b     |
| Long Valley Jct. x                                | 7500      | 2/27           | 0                   | 0.0                    | 18.6                   | 2.2       |
| Midway Valley                                     | 9800      | 2/25           | 34                  | 9.8                    | 39.4                   | 16.5b     |
| Panguitch Lake                                    | 8200      | 2/26           | 0                   | 0.0                    | 8.1                    | 3.1       |
| Squaw Springs                                     | 9300      | 2/27           | 20                  | 5.7                    | 13.8                   | 5.3b      |
| Widtsoe-Escalante Smt.                            | 9500      | 2/27           | 9                   | 2.3                    | 10.0                   | 5.3       |
| Widtsoe-Escalante #2                              | 9500      | 2/27           | 19                  | 5.1                    | 11.1                   | 6.8       |
| Widtsoe-Escalante #3                              | 9500      | 2/27           | 27                  | 6.5                    | 13.2                   | 8.1b      |
| LOWER SEVIER RIVER<br>(Including San Pitch River) |           |                |                     |                        |                        |           |
| Beaver Dams                                       | 8000      | 2/24           | 25                  | 8.2                    | 12.8                   | 9.6       |
| Farnsworth Lake                                   | 9900      | 2/26           | 52                  | 17.6                   | 16.4                   | 13.4b     |
| G.B.R.C. Headquarters                             | 8700      | 2/27           | 38                  | 11.7                   | 19.8                   | 12.7      |
| G.B.R.C. Meadows                                  | 10000     | 2/27           | 59                  | 20.2                   | 26.9                   | 18.7      |
| Gooseberry R. S.                                  | 8400      | 2/26           | 34                  | 10.9                   | 12.0                   | 8.8       |
| Gooseberry Reservoir x                            | 8700      | 2/25           | 41                  | 14.0                   | 26.7                   | 14.4b     |
| Mammoth R.S.-Ctnwood. Crk.                        | 8800      | 2/25           | 48                  | 16.0                   | 29.0                   | 14.5b     |
| Mt. Baldy R.S.                                    | 9500      | 2/24           | 58                  | 19.2                   | 25.0                   | 17.3      |
| Pine Creek  | 8700      | 2/24           | 35                  | 12.3                   | 16.6                   | 12.1b     |
| Rees's Flat                                       | 7300      | 3/2            | 41                  | 10.9                   | 12.6                   | 8.9b      |
| Shingle Mill                                      | 6200      | 2/24           | 17                  | 6.6                    | 8.5                    | 6.5b      |
| BEAVER RIVER                                      |           |                |                     |                        |                        |           |
| Big Flat  | 10290     | 2/24           | 50                  | 14.5                   | 20.7                   | 13.0      |
| Merchant's Valley                                 | 8200      | 2/24           | 24                  | 6.2                    | 13.4                   | 6.9       |
| Otter Lake  | 9300      | 2/24           | 44                  | 11.9                   | 17.9                   | 10.6      |
| FOOTNOTES - See last page                         |           |                |                     |                        |                        |           |

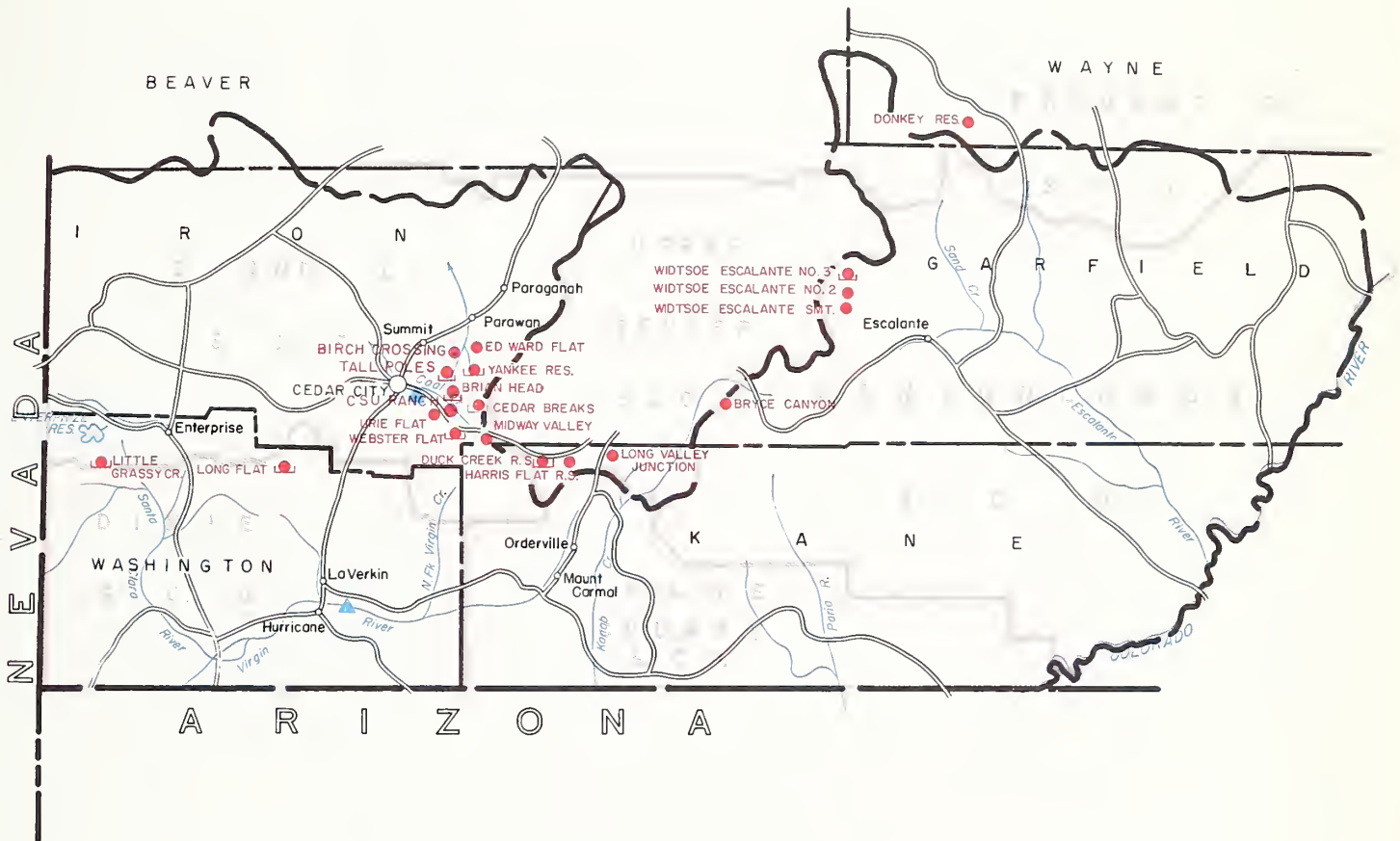
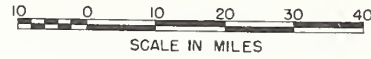
FOOTNOTES - See last page

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FOOTNOTES - See last page

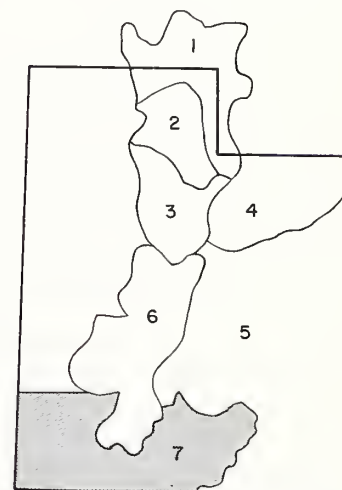


# EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Snow Depth Gage
- S.C.S. Storage Gage
- W.B. Storage Gage



WATERSHED LOCATION

# INDEX

| NO.                                 | STATE | NAME                     | SEC.    | TWP. | RGE. | ELEV.  |
|-------------------------------------|-------|--------------------------|---------|------|------|--------|
| PARIA RIVER                         |       |                          |         |      |      |        |
| 12M8                                | U     | Bryce Canyon x           | 36      | 36S  | 4W   | 8,000  |
| PAROWAN CREEK                       |       |                          |         |      |      |        |
| 12M16                               | U     | Birch Crossing           | 23      | 35S  | 9W   | 8,100  |
| 12M14                               | U     | Brian Head               | 10      | 36S  | 9W   | 10,000 |
| 12M12                               | U     | Ed Ward Flat             | 17      | 35S  | 8W   | 8,300  |
| 12M15                               | U     | Tall Poles               | 26 & 35 | 35S  | 9W   | 8,800  |
| 12M11P                              | U     | Yankee Reservoir         | 20      | 35S  | 8W   | 8,700  |
| COAL CREEK                          |       |                          |         |      |      |        |
| 12M1P                               | U     | Cedar Breaks x           | 2       | 37S  | 9W   | 10,390 |
| 12M17                               | U     | CSU Ranch                | 18      | 37S  | 9W   | 8,200  |
| 12M2M                               | U     | Midway Valley x          | 26      | 37S  | 9W   | 9,800  |
| 12M10                               | U     | Urie Flat                | 11      | 37S  | 10W  | 8,450  |
| 12M3MP                              | U     | Webster Flat x           | 20      | 37S  | 9W   | 9,200  |
| ENTERPRISE TO NEW HARMONY DRAINAGES |       |                          |         |      |      |        |
| 13M4MP                              | U     | Little Grassy Creek      | 15      | 38S  | 17W  | 6,100  |
| 13M2MP                              | U     | Long Flat                | 2       | 38S  | 14W  | 8,000  |
| ESCALANTE RIVER                     |       |                          |         |      |      |        |
| 11M1                                | U     | Widtsoe-Escalante Summit | 22      | 34S  | 1W   | 9,500  |
| 11M2                                | U     | Widtsoe-Escalante #2     | 22      | 34S  | 1W   | 9,500  |
| 11M3P                               | U     | Widtsoe-Escalante #3     | 22      | 34S  | 1W   | 9,500  |
| VIRGIN RIVER                        |       |                          |         |      |      |        |
| 12M1P                               | U     | Cedar Breaks x           | 2       | 37S  | 9W   | 10,390 |
| 12M4P                               | U     | Duck Creek R.S. x        | 11      | 38S  | 8W   | 8,700  |
| 12M5                                | U     | Harris Flat x            | 24      | 38S  | 7W   | 7,700  |
| 12M6                                | U     | Long Valley Junction     | 22      | 38S  | 6W   | 7,500  |
| 12M2M                               | U     | Midway Valley x          | 26      | 37S  | 9W   | 9,800  |
| 12M3MP                              | U     | Webster Flat             | 20      | 37S  | 9W   | 9,200  |

## LEGEND

### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

| SNOW                                       |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|--|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE          |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME                                       | Elevation |                |                     |                        | Last Year              | Average † |
| <u>ESCALANTE RIVER</u>                     |           |                |                     |                        |                        |           |
| Widtsoe-Escalante Smt.                     | 9500      | 2/27           | 9                   | 2.3                    | 10.0                   | 5.3       |
| Widtsoe-Escalante #2                       | 9500      | 2/27           | 19                  | 5.1                    | 11.1                   | 6.8       |
| Widtsoe-Escalante #3                       | 9500      | 2/27           | 27                  | 6.5                    | 13.2                   | 8.1b      |
| <u>PARIA RIVER</u>                         |           |                |                     |                        |                        |           |
| Bryce Canyon x                             | 8000      | 2/27           | 1                   | 0.2                    | 10.5                   | 2.4b      |
| <u>VIRGIN RIVER &amp; COAL CREEK</u>       |           |                |                     |                        |                        |           |
| CSU Ranch                                  | 8200      | 2/27           | 4                   | 1.4                    | 19.5                   | - -       |
| Duck Creek R.S.                            | 8700      | 2/26           | 8                   | 2.7                    | 32.3                   | 10.2      |
| Harris Flat x                              | 7700      | 2/26           | 1                   | 0.2                    | 23.4                   | 6.1       |
| Long Valley Jct.                           | 7500      | 2/26           | 0                   | 0.0                    | 18.6                   | 2.2       |
| Midway Valley x                            | 9800      | 2/25           | 34                  | 9.8                    | 39.4                   | 16.5b     |
| Urie Flat                                  | 8450      | 2/27           | 11                  | 3.7                    | D.D.                   | 5.6b      |
| Webster Flat                               | 9200      | 2/27           | 25                  | 7.1                    | D.D.                   | 12.2      |
| <u>PAROWAN CREEK</u>                       |           |                |                     |                        |                        |           |
| Birch Crossing                             | 8100      | 2/25           | 14                  | 4.3                    | 8.9                    | - -       |
| Brian Head                                 | 10000     | 2/25           | 49                  | 13.3                   | 25.8                   | - -       |
| Ed Ward Flat                               | 8300      | 2/25           | 23                  | 5.9                    | 7.2                    | 5.3b      |
| Tall Poles                                 | 8800      | 2/25           | 36                  | 8.8                    | 16.3                   | - -       |
| Yankee Reservoir                           | 8700      | 2/25           | 26                  | 5.8                    | 8.4                    | 6.9b      |
| <u>ENTERPRISE TO NEW HARMONY DRAINAGES</u> |           |                |                     |                        |                        |           |
| Little Grassy Creek                        | 6100      | 3/2            | 10                  | 3.1                    | 13.6                   | 2.3b      |
| Long Flat                                  | 8000      | 3/3            | 16                  | 3.6                    | 11.0                   | 4.3b      |
| FOOTNOTES - See last page                  |           |                |                     |                        |                        |           |

FOOTNOTES - See last page

| DRAINAGE BASIN and<br>PRECIPITATION GAGE LOCATION | ELEVATION | CURRENT INFORMATION |                          |           | FROM APPROX. OCT. 1 TO DATE |           |                       |
|---|-----------|---------------------|--------------------------|-----------|-----------------------------|-----------|-----------------------|
|   |           | Date of<br>Reading  | Month's<br>Precipitation | Average † | This Year                   | Average † | Percent of<br>Average |
| <u>ESCALANTE RIVER</u>                            |           |                     |                          |           |                             |           |                       |
| Widtsoe-Escalante #3                              | 9500      | 2/27                | 1.59                     | 2.30b     | 8.57                        | 9.95      | 86                    |
| <u>VIRGIN RIVER</u>                               |           |                     |                          |           |                             |           |                       |
| Duck Creek R.S.                                   | 8560      | 2/26                | 1.35                     | 3.27b     | 6.20                        | 13.45*    | 46                    |
| Webster Flat                                      | 9200      | 2/27                | 2.32                     | 3.53b     | 8.28                        | 14.82*    | 56                    |
| <u>COAL CREEK</u>                                 |           |                     |                          |           |                             |           |                       |
| Webster Flat                                      | 9200      | 2/27                | 2.32                     | 3.53b     | 8.28                        | 14.82*    | 56                    |
| <u>PAROWAN CREEK</u>                              |           |                     |                          |           |                             |           |                       |
| Tall Poles  | 8800      | 2/25                | 1.91                     | - -       | 9.30                        | - -       | --                    |
| Yankee Reservoir                                  | 8700      | 2/25                | --                       | 2.13b     | 8.25                        | 8.49      | 97                    |
| <u>ENTERPRISE TO NEW<br/>HARMONY DRAINAGE</u>     |           |                     |                          |           |                             |           |                       |
| Little Grassy Creek                               | 6100      | 3/2                 | --                       | - -       | 7.45                        | - -       | 78                    |
| Long Flat   | 8000      | 3/3                 | --                       | - -       | 6.45                        | 8.91      | 72                    |
| FOOTNOTES - See last page                         |           |                     |                          |           |                             |           |                       |

FOOTNOTES - See last page



### FOOTNOTES

- (1) Data supplied by U. S. Forest Service
- (2) Data supplied by U. S. Weather Bureau
- (3) Data supplied by U. S. Geological Survey
  
- (a) 1953-67 - 15-year average period
- (b) Average of all past record - less than 15 years
- (c) Taken at Compromise point
  
- (A) Aerial observation - water content estimated
- (x) Adjacent drainage
- \* Partly estimated

The following footnotes apply only to Streamflow Forecast pages.

- (1) Includes UP&L Co. tailrace and Logan, Hyde Park & Smithfield Canal.
- (2) Observed flow plus change in storage in East Canyon Reservoir.
- (3) Inflow record as computed by U. S. Bureau of Reclamation.
- (4) Observed flow Weber River near Wanship, Utah, plus change in storage in Rockport Reservoir, plus diversion by Weber-Provo Canal.
- (5) Includes diversion by Weber-Provo Canal and change in storage in Rockport Reservoir.
- (6) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
- (7) Observed flow plus change in storage in Deer Creek Reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal.
- (8) Change in storage plus diversion thru Strawberry tunnel.
- (9) Observed flow plus change in storage in Otter Creek Reservoir.
- (10) Gage is below diversions near Salina.
- (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
- (12) Observed flow at Rockyford Dam, corrected for change in storage in Minersville Reservoir.
- (13) Observed flow plus diversion through Duchesne Tunnel.
- (14) Observed flow plus change in storage in Moon Lake Reservoir.
- (15) Observed flow plus change in storage reservoir.
- (16) Corrections made for Strawberry, Moon Lake, Starvation Reservoir, Strawberry and Duchesne Tunnels.
  
- (a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U. S. Geological Survey.



# Agencies Cooperating in Utah Snow Surveys

## U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
Weather Bureau  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State University  
Utah Fish and Game Department  
Utah State Department of Natural  
Resources, Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE  
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